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USAFETAC/DS-80/054

REVISD UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

WERTHEIM GERMANY AAF WBAN #34076
N 49 46 E 09 29 ELEV 1120 FT EDOF WMO #

PARTS A-F
POR FROM HOURLY OBS: NOV 64-DEC 70
POR FROM DAILY OBS: NOV 64-FEB 65, APR-MAY,
JUL-NOV 65, JAN 66-DEC 70
FEB 17 1972

FEDERAL BUILDING
ASHEVILLE, N. C.

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286 Pages

UNCLASSIFIED

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-80/54	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Wertheim Germany, AAF		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
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17. DISTRIBUTION STATEMENT of the abstract entered in Block 20, if different from Report		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Wertheim Germany, AAF It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany . **Wertheim Germany, AAF √

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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DATA PROCESSING DIVISION
USAFETAC OL-1
ATR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS:

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-01, 21-23

APRIL 00-05, 21-23

JULY 00-05, 21-23

OCTOBER 00-05, 21-23

FEBRUARY 00-05, 21-23

MAY 00-02, 21-23

AUGUST 00-05, 21-23

NOVEMBER 00-05, 21-23

MARCH 00-05, 21-23

JUNE 00-05, 21-23

SEPTEMBER 00-05, 21-23

DECEMBER 00-05, 21-23

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1
DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34075

WERTHEIM GERMANY AAF

64-70

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		8.9	1.1	13.8	.0	22.7	33.0	43.5			75.0	2219
FEB		.0	9.0	.2	15.3	.0	24.6	35.3	39.6	.8		61.4	2007
MAR		.2	12.8	.3	8.7	.0	20.9	23.5	40.0	.3		55.3	2333
APR		.5	16.7		4.0	.1	20.2	20.2	28.9			38.7	2236
MAY		.8	11.2			.0	11.2	12.0	20.9			27.6	2340
JUN		1.6	10.1				10.1	14.7	24.4			32.5	2319
JUL		1.5	7.4				7.4	12.9	20.0			27.9	2332
AUG		1.9	9.5				9.5	20.7	24.4			38.2	2355
SEP		.5	7.6				7.6	26.6	30.0			47.0	2342
OCT		.0	9.0		.1		9.1	38.1	32.0			60.0	2449
NOV		.1	15.1	1.2	7.5		23.4	40.5	34.6		.1	64.5	2470
DEC			12.2	.8	14.2		26.9	49.2	36.8	.1		72.2	2453
TOTALS		.6	10.6	.3	5.4	.0	16.1	28.9	31.3	.1	.0	50.1	27972

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076

NORTH GERMANY AAF

65-70

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02												
	03-05												
	06-08		9.5	1.2	17.7		27.4	62.2	39.4			78.5	593
	09-11		7.6	1.0	14.8	.2	22.9	59.8	41.2			76.8	512
	12-14		8.1	.4	12.9		19.6	43.4	40.7			74.4	504
	15-17		8.8	1.2	13.0		21.8	43.4	40.7			69.9	491
	18-20		10.5	1.9	10.5		22.0	50.2	55.5			80.4	209
	21-23												
TOTALS			8.9	1.1	13.8	.0	22.7	53.0	43.5			76.0	2219

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076

STATION

WERTHEIM GERMANY AAF

STATION NAME

65-70

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02												
	03-05												
	06-08		8.5	.2	13.9		21.4	51.6	34.9	.4		68.4	459
	09-11		9.1		18.4		27.1	47.5	39.5	1.1		69.4	461
	12-14		10.1	.4	17.2		26.0	33.0	38.5	1.3		59.9	454
	15-17	.2	9.3	.5	14.7	.2	23.3	21.5	39.1	.7		54.1	442
	18-20		7.9		17.3		23.1	23.0	46.1	.5		55.0	191
	21-23												
TOTALS		.0	9.0	.2	16.3	.0	24.6	35.3	39.6	.8		61.4	2007

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076

WERTHEIM GERMANY AAF

65-70

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02												
	03-05												
	06-08		11.3	.8	10.9		22.6	44.7	41.7			69.7	532
	09-11		13.7	.6	10.6		24.1	36.9	44.1	.4		65.9	549
	12-14		12.3		7.4	.2	18.1	17.4	40.9	.4		52.6	530
	15-17		12.8		6.5		19.0	9.0	33.9			41.0	522
	18-20	.9	14.0		7.9		20.6	9.3	39.3	.5		47.2	214
	21-23												
TOTALS		.2	12.8	.3	6.7	.0	20.9	23.5	40.0	.3		55.2	2336

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34076

STATION

WERTHEIM GERMANY AAF

STATION NAME

65-70

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02												
	03-05												
	06-08		17.8		5.7		22.6	44.6	42.1			60.6	523
	09-11		20.8		3.2	.2	21.8	29.3	39.2			52.6	525
	12-14		15.7		3.7		18.3	11.3	23.7			31.1	515
	15-17	.4	13.5		4.3	.2	17.5	7.3	17.5			22.2	517
	18-20	1.9	15.8		3.3		18.6	8.4	21.9			27.0	215
	21-23												
TOTALS		.5	16.7		4.0	.1	20.2	20.2	28.9			38.7	2286

1 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076 WERTHEIM GERMANY AAF
 STATION STATION NAME

65-70
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05												
	06-08	.2	13.2				13.2	36.9	37.9			58.2	531
	09-11	.2	11.9				11.9	13.9	28.8			36.2	531
	12-14	.6	9.2			.2	9.2	4.6	15.9			19.0	522
	15-17	1.5	10.4				10.4	2.3	10.6			11.9	519
	18-20	1.3	11.4				11.4	2.5	11.4			12.7	237
	21-23												
TOTALS		.8	11.2			.0	11.2	12.0	20.9			27.6	2340

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DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65=70
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02												
	03-05												
	06-08		7,6				7,6	44,4	39,0			61,7	525
	09-11	.4	9,5				9,5	16,3	35,4			43,0	526
	12-14	1,7	13,1				13,1	6,0	17,0			21,6	516
	15-17	1,6	10,1				10,1	3,7	14,3			17,6	516
	18-20	4,3	10,3				10,3	3,0	16,4			18,5	232
	21-23												
TOTALS		1,6	10,1				10,1	14,7	24,4			32,5	2319

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DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076

STATION

WERTHEIM GERMANY AAF

STATION NAME

65-70

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02												
	03-05												
	06-08	.2	5.7				5.7	41.9	34.3			59.3	526
	09-11	.6	9.1				9.1	12.3	29.7			36.9	528
	12-14	1.5	7.5				7.5	3.6	14.8			17.8	522
	15-17	1.9	8.1				8.1	3.1	10.4			12.5	519
	18-20	3.4	6.4				6.4	3.4	10.6			12.8	235
	21-23												
TOTALS		1.3	7.4				7.4	12.9	20.0			27.9	2332

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05												
	06-08	.2	10.7				10.7	58.2	31.5			69.8	543
	09-11	.4	8.5				8.5	28.2	37.0			53.4	543
	12-14	1.1	8.6				8.6	7.3	22.1			28.0	533
	15-17	3.4	10.8				10.8	4.7	15.0			19.7	528
	18-20	4.6	8.8				8.8	5.0	16.4			20.2	238
	21-23												
TOTALS		1.9	9.5				9.5	20.7	24.4			38.2	2385

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USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02												
	03-05												
	06-08	.2	8.1				8.1	64.6	29.5			74.1	526
	09-11	.2	7.8				7.8	42.6	38.8			65.5	526
	12-14	.2	7.8				7.8	13.1	33.1			40.3	526
	15-17	1.9	7.4				7.4	5.5	24.4			27.0	525
	18-20		6.8				6.8	6.8	24.3			28.1	235
	21-23												
TOTALS		.5	7.6				7.6	26.6	30.0			47.0	2342

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

31076

STATION

WERTHEIM GERMANY AAF

STATION NAME

65-70

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05												
	06-08		9.6		.5		9.9	70.9	23.5			77.8	553
	09-11		7.0				7.0	54.9	27.4			69.5	554
	12-14		7.8				7.8	29.6	31.3			53.6	550
	15-17	.2	10.0				10.0	15.1	34.2			45.2	549
	18-20		10.7				10.7	20.2	43.6			53.9	243
	21-23												
TOTALS		.0	9.0		.1		9.1	38.1	32.0			60.0	2449

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076
 STATION

WERTHEIM GERMANY AAF
 STATION NAME

64-70
 YEARS

NDV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NDV	00-02												
	03-05												
	06-08		11.9	.9	7.7		19.9	55.0	28.8			69.2	562
	09-11		15.0	.9	8.0		23.5	50.5	32.2		.4	67.5	566
	12-14		14.5	1.1	6.6		21.4	35.5	35.4			61.1	560
	15-17		15.6	1.6	5.8		23.0	30.1	34.5			58.3	551
	18-20	.4	18.6	1.2	9.5		29.4	31.6	42.0			66.2	231
	21-23												
TOTALS		.1	15.1	1.2	7.5		23.4	40.5	34.6		.1	64.5	2470

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34076

STATION

WERTHEIM GERMANY AAF

STATION NAME

64-70

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST- TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05												
	06-08		10,4		16,2		26,1	55,1	32,5	.5		73,2	575
	11		10,1	.9	14,9		25,4	54,6	35,1			75,3	582
	.4		12,4	2,0	14,0		27,3	45,9	35,8			69,1	564
	13-17		13,0	.7	13,7		26,5	44,6	38,1			70,7	540
	18-20		14,9	.5	15,3		28,8	45,9	42,3			72,5	222
	21-23												
TOTALS			12,2	.8	14,8		26,8	49,2	36,8	.1		72,2	2483

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

34076
STATIONWERTHEIM GERMANY AAF
STATION NAME65-70
YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-35	37-48	49-60	61-120	OVER 120						
JAN	29.0	22.6	3.2	29.0		12.9	3.2							48.4	31	1.26	1.26	1.26	
FEB	42.9	25.0	7.1	3.6	7.1	7.1		7.1						32.1	28	1.85	1.85	1.85	
MAR	33.3	17.2	5.4	12.9	14.0	12.9	4.3							49.5	93	1.59	2.00	1.31	
APR	38.3	13.3	1.7	20.0	6.7	10.0	8.3	1.7						43.3	60	2.04	2.18	1.90	
MAY	41.9	14.0	2.2	16.1	8.6	12.9	2.2	2.2						44.1	93	1.71	2.04	1.28	
JUN	45.6	12.2	3.3	11.1	5.6	7.8	10.0	3.3	1.1					42.2	90	2.98	4.12	1.74	
JUL	38.7	17.2	3.2	11.8	4.2	11.8	6.5	6.5						44.1	93	2.80	3.93	1.12	
AUG	45.2	12.1	4.0	8.1	9.7	11.3	4.8	4.0	.8					42.7	124	2.57	3.16	1.63	
SEP	48.9	14.4	2.2	7.8	2.2	14.4	7.8	1.1	1.1					36.7	90	2.26	3.39	.75	
OCT	55.6	18.5	5.6	4.0	5.6	4.0	4.8	1.6						25.8	124	1.25	2.69	.10	
NOV	25.0	16.7	6.7	13.0	11.7	13.0	5.7	3.3						58.3	60	2.47	3.40	1.54	
DEC																			
ANNUAL	40.4	16.7	4.1	12.7	6.9	10.9	5.3	2.8	.3					42.9	886	2.84	X	X	

EXTREME VALUES

PRECIPITATION

65-70

YEAR

24 HOUR AMOUNTS IN INCHES

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES

PRECIPITATION
FROM DAILY OBSERVATIONS

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

65-70
YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
64													PRECIP DAYS
65											0	0	PRECIP DAYS
66	0 29	0 32		.53 29						.28 29		.45 27	PRECIP DAYS
67		.23 26								.72 29	0	0	PRECIP DAYS
68	0 29	0 26	.51 23	.55 28	.49 23	.67 29	.48 29	.73 30	.74 28		.31 28	.26 29	PRECIP DAYS
69	.34 29	.16 26	.76 30	.35 29	.79 29		.51 27		.16 29		.44 26	.30 28	PRECIP DAYS
70	.79 29	.58 25		.29 22	.31 17	.44 24	.31 19	.26 17	.78 27		.30 26	.52 25	PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

34876
STATION

HERTHEIM GERMANY AAF
STATION NAME

65, 66-70
YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN	100.0														30	.0	.0	
JUL																		
AUG	100.0														93	.0	.0	
SEP																		
OCT	98.9	1.1													93	TRACE	TRACE	
NOV																		
DEC																		
ANNUAL	99.6	.4													216	.0	X	

EXTREME VALUES

SNOWFALL

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

65, 66-70

75459

24 HOUR AMOUNTS IN INCHES

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

34076 WERTPEIM GERMANY AAF
STATION STATION NAME

65 68-70
YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64											0	0	SNOWFALL DAYS
65	0	0		0	0		0		0	0	0		SNOWFALL DAYS
66	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
67	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
68	0	0	0	0	0	0	0		0		1.2	2.1	SNOWFALL DAYS
69	1.1	1.5	2.5	2.2	3.0		2.0		2.0		1.2	3.1	SNOWFALL DAYS
70	6.2	2.5	3.9	2.2	3.0	2.0	2.0	2.0	2.0		2.2	3.4	SNOWFALL DAYS
	29	26	30	26	24	26	25	26	28		28	26	
MEAN													
S.D.													
TOTAL OBS.													

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

65, 67-70
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13-24	25 36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR	83.9			3.2	3.2	9.7								16.1	62			
APR	100.0														60			
MAY	100.0														31			
JUN	100.0														90			
JUL	100.0														31			
AUG	100.0														124			
SEP	100.0														30			
OCT	100.0														62			
NOV																		
DEC																		
ANNUAL	98.3			1.4	1.4	1.2								12.0	490			

DATA PROCESSING DIVISION
USAF: ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS.)

34076 STATION WERTHEIM GERMANY AAF STATION NAME

64-65, 67-70

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

36076 WERTHEIM GERMANY AAF

66-65, 67-70

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64											0	3	SNOW DPTH DAYS
65	25	23		0	0		0		0	0	0	26	SNOW DPTH DAYS
66	0	0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
67	0	27	1							28	0	26	SNOW DPTH DAYS
68	26	23	26	28	30	0	30		29	30	28	30	SNOW DPTH DAYS
69	30	26	30		30	0	28		29		28	29	SNOW DPTH DAYS
70	30	26	30	27	24	26	25	26	28		28	26	SNOW DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

DATA NOT AVAILABLE

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 WERTHEIM GERMANY AAF 64-70 ALL
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 -	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.3	.1								.8	6.0
NNE	.2	.4	.2	.1	.0							.8	5.9
NE	.6	1.0	.7	.2								2.5	6.1
ENE	2.4	3.7	2.3	.5	.0							9.0	5.7
E	3.0	4.3	2.9	.6	.0							11.4	5.6
ESE	.8	1.2	.8	.1								2.8	5.4
SE	.3	.4	.2	.0								.9	4.9
SSE	.3	.2	.1									.5	4.2
S	.6	.6	.2	.0								1.4	4.7
SSW	.4	.9	.8	.2	.0	.0						2.4	6.5
SW	.5	1.8	2.7	1.2	.1	.0		.0				6.3	8.0
WSW	.7	3.1	6.3	3.8	.6	.1	.0					15.0	9.3
W	1.0	3.5	6.9	4.1	.8	.2	.0					16.4	9.3
WNW	.4	1.8	2.7	1.5	.2	.0	.0					6.6	8.7
NW	.2	.8	1.7	.5	.0	.0						3.1	7.9
NNW	.1	.4	.6	.1								1.3	7.2
VARBL	5.0	2.4	.2	.1								7.7	3.3
CALM												11.2	
	16.4	27.4	29.8	13.1	1.8	.3	.0	.0				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 27971

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34076 STATION NAME HERTHEIM GERMANY AAF YEARS 65-70 MONTH JAN
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.0	.0								.5	5.6
NNE	.3	.4	.1									.7	4.5
NE	.4	.8	.4									1.6	5.1
ENE	1.7	3.7	2.2	.1								7.7	5.4
E	4.2	8.0	4.3	.5								17.0	5.4
ESE	.9	2.1	1.7	.2								4.8	5.9
SE	.1	.3	.1									.6	5.2
SSE	.2	.0										.3	3.0
S	.5	.3	.0									.9	3.7
SSW	.5	.8	.8	.5	.1							2.6	7.4
SW	.5	1.2	1.7	1.5	.3							5.2	9.1
WSW	1.2	3.7	7.0	4.2	.9	.1						17.2	9.2
W	.9	2.6	5.7	2.9	.3	.1						12.5	8.7
WNW	.2	1.2	1.1	.9	.1	.0						3.5	8.4
NW	.1	.7	1.1	.1								1.9	6.8
NNW	.0	.0	.2	.0								.3	7.7
VARBL	3.2	1.7										6.9	2.6
CALM												15.8	
	17.1	27.7	26.5	11.0	1.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2219

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	1.2	.1								2.7	6.7
NNE	.4	.8	.3	.2	.0							1.9	6.1
NE	1.0	1.3	.7	.2								3.3	5.7
ENE	2.7	5.3	3.3	.4								11.8	5.5
E	2.7	3.8	3.1	.2								9.9	5.5
ESE	.5	.5	.4	.0								1.4	5.2
SE	.1	.3	.1	.0								.6	5.8
SSE		.1	.1									.2	6.4
S	.6	.4	.1	.0								1.2	4.2
SSW	.8	1.1	.9									2.8	5.2
SW	.2	2.1	2.3	.9		.0						5.7	7.7
WSW	.5	3.0	6.3	4.5	1.1	.0						13.8	9.8
W	1.0	3.3	5.9	4.2	.9	.1						15.5	9.5
WNW	.4	2.0	3.5	2.3	.6	.3	.1					9.3	10.2
NW	.1	1.0	1.4	.2								2.8	7.4
NNW	.1	.6	.5									1.2	6.3
VARBL	2.9	.7										3.6	2.5
CALM												10.1	
	14.5	27.8	30.7	13.5	2.7	.5	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2007

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

VAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.2	.1								.8	5.3
NNE	.1	.4	.2	.1								.8	6.2
NE	.5	.8	.6	.4								2.3	6.9
ENE	2.0	4.1	3.2	1.2	.3							10.8	6.8
E	2.2	4.5	4.3	1.4								12.4	6.6
ESE	1.1	1.3	.6	.2								3.2	5.2
SE	.3	.3	.0									.6	4.1
SSE	.0	.3	.1									.4	5.1
S	.5	.6	.6	.1								1.8	5.9
SSW	.4	.6	.6	.2		.0						1.8	6.9
SW	.3	.9	2.1	1.7	.1							5.1	9.2
WSW	.4	1.8	7.0	5.5	1.3	.1						16.0	10.7
W	.9	2.7	9.0	6.1	1.5	.3						20.4	10.3
WNW	.1	1.4	4.0	1.5	.4	.1						7.6	9.5
NW	.2	.9	1.9	.7	.1							3.8	8.4
NNW	.1	.6	.7	.2								1.6	7.6
VARBL	2.5	1.2										3.7	3.0
CALM												6.8	
	12.0	22.6	35.0	19.3	3.7	.5						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

2338

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36076
STATION

VERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.3	.1	.1								.6	6.7
NNE	.2	.2	.2	.0								.7	6.0
NE	.5	1.3	1.4	.3								3.5	6.8
ENE	1.6	3.2	3.2	.8	.1							9.0	6.5
E	2.0	4.1	2.8	1.0	.2							10.1	6.5
ESE	.9	1.0	.5	.0								2.4	4.7
SE	.1	.5	.3									.9	5.4
SSE	.2	.3	.1									.5	4.4
S	.9	.7	.3	.2								2.1	5.1
SSW	.4	1.0	1.0	.5								2.8	7.4
SW	.3	1.8	2.6	1.0	.0							5.9	8.0
WSW	.6	2.5	7.9	3.5	.9							15.3	9.4
W	1.3	4.1	7.3	5.3	.6	.1	.0					18.7	9.1
WNW	.7	2.1	5.2	2.5	.3	.0						10.9	8.7
NW	.2	1.0	2.6	.7	.0							4.7	8.3
NNW	.1	.5	.6	.1								1.4	7.2
VARBL	2.6	1.4										3.9	3.1
CALM												6.6	
	12.8	25.9	36.1	16.3	2.1	.2	.0					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

2288

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.3	.1								.7	6.5
NNE	.0	.2	.2									.4	6.8
NE	.5	.9	.9	.2								2.4	6.4
ENE	1.7	3.5	2.3	.5								7.9	5.8
E	2.4	5.4	3.8	.7								12.4	5.9
ESE	.7	1.5	1.4	.4								4.0	6.6
SE	.4	.9	.4									1.6	5.1
SSE	.4	.4	.1									.9	4.2
S	.6	.7	.3	.0								1.7	4.9
SSW	.4	1.4	.8	.2								2.7	6.4
SW	.5	1.5	2.5	1.4	.1							6.0	8.3
WSW	.6	2.2	3.1	2.9	.4	.1						11.4	7.2
W	.6	3.2	9.1	6.1	.8	.1						19.8	9.8
WNW	.1	2.4	3.1	1.3	.1							7.0	8.3
NW	.4	.9	2.6	1.1								5.0	8.4
NNW	.1	.4	1.1	.4								2.0	8.6
VARBL	4.4	2.1										6.5	3.1
CALM												7.6	
	14.0	27.7	33.8	15.2	1.4	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2341

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
MOFFS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.6	.1								1.6	6.1
NNE	.1	.6	.4	.3								1.2	7.9
NE	.4	.9	1.3	.5								3.1	7.7
ENE	1.8	3.0	2.4	1.1	.1							8.5	6.6
E	2.5	3.3	2.8	1.2	.3							9.7	6.5
ESE	.7	.6	.5	.0								1.9	5.0
SE	.4	.3	.3									1.0	4.7
SSE	.4	.2	.2									.9	4.1
S	.3	.3	.2									.9	4.6
SSW	.5	.7	.9	.0								2.2	6.1
SW	.6	2.2	1.8	.4								5.0	6.3
WSW	.7	4.6	4.9	1.8								12.0	7.5
W	1.2	5.1	7.9	2.8	.5	.1						17.7	8.2
WNW	.6	2.9	3.1	1.9	.4	.0						9.0	8.6
NW	.3	.6	2.6	.3								4.2	8.0
NNW	.1	.9	1.6	.5								3.1	7.9
VARBL	4.1	4.2										8.2	3.4
CALM												10.0	
	15.0	31.0	31.4	11.3	1.1	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2319

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34075
STATION

NERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
NUMBER OF YEARS

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.6	.2									.9	5.0
NNE	.0	.3	.2	.0								.5	5.6
NE	.1	.7	.4	.0								1.2	5.8
ENE	1.5	2.2	.7	.0								4.5	4.5
E	2.1	3.1	1.4	.1								6.7	5.0
ESE	.4	.8	1.0	.0								2.3	6.3
SE	.1	.4	.2									.7	5.6
SSE	.2	.0	.0									.3	4.1
S	.3	.3										.6	3.7
SSW	.2	.6	.4	.1								1.3	5.0
SW	.6	1.2	2.5	.4	.1	.0						4.9	7.6
WSW	1.1	3.0	7.4	3.6	.2	.0						15.3	5.7
W	1.5	4.9	9.6	3.3	.5							19.6	5.3
WNW	.5	2.1	4.6	2.1	.1							10.5	5.3
NW	.6	1.4	2.9	1.0	.0							6.0	7.8
NNW	.2	.8	.4	.1								1.5	6.1
VARBL	5.5	4.5	.1									10.1	3.3
CALM												13.5	
	15.0	27.5	32.0	10.9	1.0	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2330

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34075 WERTHEIM GERMANY AAF

5570

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ	MEAN WIND SPEED
N	.2	.4	.2									.6	4.7
NNE	.1	.3	.2	.0								.7	6.1
NE	.4	1.2	.7	.1								2.3	5.6
ENE	3.1	4.6	2.3	.2								10.3	5.1
E	3.4	4.0	1.6	.3	.0							9.4	4.8
ESE	1.0	.9	.7	.1								2.6	5.0
SE	.5	.6	.5									1.6	5.3
SSE	.3	.1										.4	3.5
S	.4	.5	.2									1.1	4.7
SSW	.6	.7	.3	.0								1.6	4.8
SW	.5	1.7	3.3	.8								6.3	7.6
WSW	.6	4.0	6.7	1.9	.0							13.4	7.3
W	1.1	4.6	9.5	2.9	.3							18.4	8.1
WNW	.4	2.4	2.6	1.2								6.6	7.7
NW		1.3	1.8	.3								3.4	7.4
NNW	.2	.3	.5									1.0	6.8
VARBL	5.9	4.3	.5	.2								10.9	3.7
CALM												9.2	
	16.9	32.0	31.4	6.1	.4							102.0	5.8

TOTAL NUMBER OF OBSERVATIONS

2385

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS SEP MONTH
ALL WEATHER CLASS ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1									.2	5.2
NNE	.2	.3	.3	.2								.9	3.6
NE	1.0	1.1	1.0	.1								3.2	5.5
ENE	4.5	3.2	1.8	.3								9.9	4.6
E	3.2	4.3	2.0	.3								9.8	5.0
ESE	.9	1.0	.7									2.5	4.9
SE	.6	.3	.1									1.0	3.9
SSE	.5	.3	.1									.9	4.0
S	.9	.9	.1									1.9	3.8
SSW	.4	1.0	1.2	.3								2.9	6.8
SW	.4	2.7	3.8	1.6								8.6	7.8
WSW	.7	3.2	7.1	3.3	.0							14.4	8.6
W	1.2	4.0	4.2	2.4	.3		.0					12.1	8.0
WNW	.2	1.3	1.4	.6	.0							3.5	7.8
NW	.2	.4	.8	.2								1.6	7.1
NNW	.2	.3	.3									.9	5.5
VARBL	8.2	3.9	.5	.3								12.8	3.4
CALM												12.9	
	22.2	28.4	25.7	9.5	.4		.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34076 WERTHEIM GERMANY AAF 65-70 YEARS DCT
MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0	.1	.1								.3	7.9
NNE	.2	.2	.0									.5	3.9
NE	.7	.8	.7	.0								2.2	5.4
ENE	3.8	4.0	1.6	.2								9.6	4.7
E	6.0	5.4	2.5	.2								14.3	4.5
ESE	.8	1.1	.2									2.2	4.3
SE	.1	.4										.5	4.4
SSE	.3	.2	.0									.5	3.7
S	.6	.4	.2									1.1	4.2
SSW	.3	.7	.3	.1								1.6	5.4
SW	.7	2.4	3.5	1.5	.1	.0						8.2	8.0
WSW	.9	3.6	6.2	2.9	.2							13.8	8.3
W	.5	2.5	4.3	3.3	.5	.0						11.8	9.4
WNW	.4	.9	1.6	1.6	.2							4.7	9.4
NW	.1	.3	1.0	.3	.0	.0						1.8	9.0
NNW	.2	.2	.4	.2								1.1	7.4
VARBL	7.3	2.4	.4	.4								10.5	3.3
CALM												15.3	
	23.3	25.7	23.5	11.0	1.1	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2449

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.2									.4	6.2
NNE	.4	.3	.1									.9	4.3
NE	.9	1.0	.3	.2								2.3	5.1
ENE	2.9	5.2	2.2	.7	.0							11.0	5.5
E	3.4	6.5	3.3	.9								14.0	5.7
ESE	.6	1.5	1.0	.2								3.2	5.8
SE	.3	.5	.2									1.0	4.6
SSE	.3	.3	.1									.8	4.4
S	.3	.6	.6	.1								1.6	6.0
SSW	.5	1.2	2.3	.4	.0							4.4	7.5
SW	.6	1.8	3.6	1.7	.0							7.8	8.3
WSW	.4	2.3	5.6	4.9	.9	.3	.2					14.5	10.6
W	.6	2.7	4.5	4.7	2.2	.6	.0					15.3	11.4
WNW	.5	1.1	1.1	1.4	.0	.0						4.2	8.7
NW	.0	.3	.2	.1								.7	7.2
NNW	.0	.3	.3	.1								.7	7.2
VARBL	4.1	1.3	.5	.2								6.2	3.7
CALM												10.9	
	16.0	27.0	26.2	15.5	3.3	.9	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2470

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34076 STATION NAME WERTHEIM GERMANY AAF YEARS 64-70 MONTH DEC
CLASS ALL WEATHER HOURS (LST) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.1	.0								.7	5.5
NNE	.3	.5	.2	.0								1.0	5.5
NE	.4	1.1	.6	.5								2.7	6.7
ENE	1.2	2.7	2.2	.8								7.0	6.7
E	1.5	5.4	3.3	.4								10.6	6.0
ESE	.8	1.7	.6	.0								3.1	5.0
SE	.3	.6	.2									1.1	4.6
SSE	.2	.2										.4	3.7
S	.6	.8	.1	.0								1.5	4.1
SSW	.3	.8	.4	.2								1.7	5.6
SW	.5	2.2	2.3	1.0	.1	.0		.0				6.2	7.9
WSW	.9	3.4	7.9	6.2	1.3	.5	.1					20.4	10.3
W	.9	2.7	5.0	4.7	.8	.4	.0					14.6	10.2
WNW	.1	.9	1.8	.9	.1	.0						3.9	9.0
NW	.1	.5	1.0	.2	.0							1.9	7.8
NNW	.1	.4	.2									.7	5.8
VARBL	6.6	1.2	.0	.0								7.9	2.7
CALM												14.8	
	15.0	25.5	26.1	15.2	2.4	.9	.1	.0				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2483

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION NAME VERT-EIN GERMANY AAF YEARS 65-70 MONTH JAN

ALL WEATHER

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4										.4	5.0
NNE	.2	.4										.6	4.0
NE	.4	1.0	.4									1.8	5.0
ENE	3.0	2.6	2.2									7.8	5.0
E	3.4	5.6	4.0	.4								13.5	5.6
ESE	.2	1.8	1.2	.2								3.4	6.4
SE			.4									.4	10.0
SSE													
S	.0											.6	2.3
SSW	.4	.8	.2	.6								2.0	6.8
SW	.2	1.4	1.4	1.6	.4							5.0	9.3
WSW	1.2	4.6	7.6	4.0	.4							17.9	8.4
W	1.2	3.4	4.6	4.0	.2							13.3	8.7
WNW	.2	1.6	1.0	.2								3.0	6.1
NW		1.4	.8									2.2	5.5
NNW													
VARBL	7.0	1.8										8.7	2.5
CALM												19.3	
	17.9	27.0	23.7	10.9	1.0							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

503

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS JAN MONTH
ALL WEATHER ELAS8 0820-1100 HOURS (L.T.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6										1.0	4.2
NNE	.2	.2										.4	4.3
NE	.4	.4	.6									1.4	6.4
ENE	.6	3.9	1.4									5.9	5.3
E	4.9	6.6	5.7	.4								17.6	5.5
ESE	.4	1.6	1.0									2.9	5.7
-		.2										.2	4.0
SSE	.2	.2										.4	3.5
S	.2	.4										.6	4.0
SSW	.4	.4	.4	.4								1.6	7.3
SW	.8	1.2	1.8	1.2	.2							5.1	8.3
WSW	2.5	3.7	6.8	5.3	1.4							19.7	8.9
W	.6	.8	6.1	2.9	.2							10.7	9.3
WNW	.6	1.0	1.4	1.2		.2						4.3	8.5
NW	.2	.4	.8	.2								1.5	7.1
NNW	.2		.2									.4	6.0
VARBL	6.4	2.0										8.4	2.7
CALM												18.0	
	19.1	23.4	26.0	11.5	1.5	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 512

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 WERT-EIM GERMANY AAF 65-70 JAN MONTH

ALL WEATHER CLASS

1200-1400 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2									.2	7.0
NNE	.4	.6	.2									1.2	4.8
NE	.2	1.2	.2									1.6	4.8
ENE	1.6	4.6	1.8	.2								8.1	5.3
E	2.8	8.9	4.6	.6								16.9	5.7
ESE	1.0	1.8	1.8	.2								4.5	6.2
SE	.2	.8										1.0	4.0
SSE	.6											.5	2.7
S	1.0	.4	.2									1.6	4.1
SSW	.6	.6	1.4	.4								3.0	6.9
SW	.4	1.2	2.4	3.0	.2							7.1	10.4
WSW	.8	3.6	5.6	5.6	.2	.2						13.9	9.5
W	.8	3.2	6.2	2.6	.6	.4						13.7	8.9
WNW		1.0	1.0	.4	.2							2.6	8.8
NW	.2	.4	1.6	.2								2.4	7.8
NNW													
VARBL	4.2	1.4										5.6	2.7
CALM												13.9	
	14.7	29.6	27.0	13.1	1.2	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 504

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.2								.2	14.0
NNE	.2	.2	.2									.6	5.3
NE	.2	.8	.4									1.4	5.6
ENE	1.8	3.3	3.5	.4								9.6	5.9
E	4.3	9.0	3.3	.8								17.3	5.3
ESE	1.8	2.9	2.4	.4								7.5	5.7
SE	.4	.2	.2									.8	4.5
SSE													
S	.2	.2										.4	3.5
SSW	.4	1.4	1.2	.0	.4							4.1	8.4
SW	.8	1.2	1.6	1.0	.4							5.1	8.5
WSW	.6	2.9	7.7	2.4	1.0	.4						15.1	9.7
W	1.2	3.1	6.3	2.6		.2						13.4	9.3
WNW		1.2	.8	1.4	.2							3.7	9.9
NW		.4	1.4									1.8	7.0
NNW			.2	.2								.4	10.5
VARBL	4.5	1.2										5.7	2.5
CALM												12.8	
	16.5	28.5	29.3	10.2	2.0	.6						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 491

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION 24076 WERTHEIM GERMANY AAF STATION NAME 65-67,69-70 YEARS JAN MONTH 1800-2000 MOYRS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	5.0
NNE	.5	.5										1.0	3.0
NE	1.4	.5										1.9	2.8
ENE	1.0	3.3	2.4									6.7	5.9
E	7.7	12.0	3.3	.5								23.4	4.6
ESE	1.0	2.9	2.9									6.7	5.7
SE		.5										.5	5.0
SSE	.5											.5	3.0
S	.5	1.0										1.4	3.7
SSW	.5	1.0	1.0									2.4	6.6
SW	.5	.5	1.0									1.9	5.8
WSW	.5	3.3	6.1	3.3	1.9							17.2	9.7
W	.5	2.4	4.8	1.4	.5							9.6	8.4
WNW	.5	1.0	1.9	1.4								4.8	8.4
NW		1.0	.5									1.4	6.0
NNW		.5	1.0									1.4	7.0
VARBL	2.4	2.4										4.8	2.9
CALM												13.4	
	17.2	33.5	26.8	6.7	2.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 209

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0600
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.9									2.2	5.9
NNE	.4		.2	.2								.9	6.5
NE	.7	2.2	.4									3.3	4.9
ENE	3.7	6.5	3.5									13.7	5.1
E	1.5	4.1	1.7									7.4	5.3
ESE	.2		.2									.4	4.5
SE		.2										.2	5.0
SSE		.2										.2	4.0
S	.4	.7	.2	.2								1.5	5.6
SSW	1.5	1.7	.7									3.9	4.5
SW		2.0	3.1	1.5		.2						6.8	9.0
WSW	.9	3.5	7.2	3.9	1.5	.2						17.0	9.6
W	1.1	3.7	5.4	2.8	.2	.2						13.5	8.5
WNW	.4	1.7	2.2	2.2			.2					6.8	9.5
NW	.4	1.5	.7									2.6	5.9
NNW	.2	1.3	1.1									2.6	6.2
VARBL	3.5	1.1										4.6	2.4
CALM												12.4	
	15.5	31.4	27.5	10.9	1.7	.4	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

459

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERT-EIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.1									2.0	7.2
NNE	.7	.7	.2	.2	.2							2.0	6.8
NE	1.3	.7	.7	.4								3.3	6.0
ENE	3.5	7.6	2.8	.2								14.1	5.0
E	2.6	3.9	3.3	.2								10.0	5.3
ESE	.4	.4	.4	.2								1.5	6.0
SE		.7										.7	4.3
SSE													
S	1.3	.2										1.5	2.9
SSW	.2	.7	1.1									2.0	6.4
SW		2.6	2.0	1.3								5.9	8.1
WSW	.7	3.7	7.2	4.1	.7							16.3	9.2
W	1.1	1.7	5.9	3.9	1.5	.2						14.3	10.4
WNW	1.1	2.0	2.6	1.3	.4	.4						7.8	9.0
NW		1.1	1.7									2.8	7.1
NNW		.7										.7	5.0
VARBL	2.8	1.3										4.1	2.8
CALM												11.3	
	15.8	26.4	29.1	11.9	2.8	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

461

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.5	.2								2.9	7.4
NNE	.4	.9	.4	.2								2.0	6.1
NE	1.5	1.5	.7	.4								4.2	5.4
ENE	2.6	4.0	4.0	.7								11.2	5.8
E	4.4	4.0	3.5	.2								12.1	5.3
ESE	.4	.7	.4									1.5	5.3
SE		.2	.4	.2								.9	9.0
SSE													
S	.7	.4	.2									1.3	4.2
SSW	.9	.7	.7									2.2	4.4
SW	.2	1.5	2.2	.9								4.8	7.7
WSW	.2	3.1	5.3	4.8	2.0							15.4	10.5
W	1.1	2.2	4.4	3.9	1.8	.2						15.6	10.6
WNW	.2	2.2	4.6	2.2	1.1	.2	.2					10.8	10.7
NW		.9	1.8	.4								3.2	5.0
NNW		.4	.7									1.1	7.6
VARBL	3.5	.7										4.2	2.6
CALM												6.6	
	16.3	24.4	30.8	16.3	4.8	.4	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

454

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WEPTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	1.3	.2								3.4	7.3
NNE	.5	1.4	.5									2.3	5.1
NE	.7	.9	.9	.2								2.7	5.4
ENE	1.4	4.1	2.5	.5								8.4	5.8
E	3.2	3.8	4.5	.5								12.0	6.0
ESE	.9	.9	.7									2.5	5.1
SE		.5										.3	5.0
SSE			.5									.3	9.0
S	.2	.5										.7	4.3
SSW	.9	1.4	1.8									4.1	5.7
SW	.5	2.3	1.8	.2								4.8	6.4
WSW	.5	1.8	7.2	5.4	.5	.2						18.6	10.1
W	.7	4.1	6.1	4.1	.7							15.3	9.2
WNW		1.8	4.5	3.2	1.1	.2						10.9	10.9
NW	.2	.5	2.0	.5								3.2	8.1
NNW	.2	.2	.2									.7	6.0
VARBL	2.0											2.0	1.7
CALM												10.4	
	12.0	25.1	35.1	14.7	2.3	.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 442

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34076 STATION NAME WERTHEIM GERMANY AAF YEARS 55-67, 69-70 MONTH FEB
CLASS ALL WEATHER HOURS (LST) 1600-2000
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	3.1	.5									4.2	5.0
NNE		2.1	.5	.5								3.1	5.3
NE	.5	1.0	1.0									2.5	6.4
ENE	1.6	3.1	4.7	1.0								15.5	6.7
E	1.0	2.1	2.1									5.2	5.7
ESE	.5	.5										1.0	4.0
SE	1.0											1.0	2.5
SSE		1.0										1.0	5.0
S	.5											.5	3.0
SSW		1.0										1.0	4.5
SW	1.0	2.0	2.6	.5								6.8	6.3
WSW	.5	3.1	4.7	4.2	1.0							13.6	9.6
W	1.0	6.8	10.5	4.2								22.5	8.1
WNW		3.1	6.2	3.1		1.0						11.5	10.1
NW		1.0	.5	.5								2.1	7.8
NNW		.5	.5									1.0	6.2
VARBL	2.1	.5										2.6	2.8
CALM												9.4	
	10.5	31.9	31.9	14.1	1.0	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 191

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.6	3.7
NNE		.6	.2									.8	5.3
NE	.8	.6	.2	.4								1.9	5.8
ENE	2.6	4.9	3.6	.8	.2							12.0	6.1
E	1.5	4.3	4.3	1.1								11.9	6.6
ESE	.9	.4										1.3	3.4
SE	.6											.6	2.3
SSE													
S	.8	.2	.2									1.1	3.3
SSW	.2	.6	.2									.9	4.4
SW	.2	1.3	2.8	1.3								5.6	8.4
WSW	1.1	4.9	8.1	3.9	.6							15.6	8.8
W	2.4	4.1	8.6	5.3	1.5							22.0	9.1
WNW	.4	1.5	1.9	.8	.2							4.7	8.2
NW	.4	.9	.9	.2								2.4	6.5
NNW		.2	.6									.8	7.8
VARBL	3.0	2.6										5.6	3.3
CALM												9.8	
	13.2	27.3	31.6	13.7	2.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

532

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 WERTHEIM GERMANY AAF 65-70 MAR
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE		.6	.2									.7	6.0
NE	.4	.9		.6								1.9	6.8
ENE	2.0	5.7	3.1	1.9								13.0	6.7
E	2.2	5.6	4.1	1.7								13.5	6.7
ESE	.9	.9	.7	.2								2.8	5.3
SE	.2	.6										.7	4.0
SSE		.2										.2	6.0
S	.4	.6	.7									1.7	6.0
SSW	.4	.2	1.1	.4								2.0	8.7
SW	.2	1.3	2.6	1.1								5.2	8.4
WSW	.2	1.3	8.3	5.2	1.5	.2						16.7	11.0
W	.2	3.3	8.9	5.6	1.1	.6						19.6	10.6
WNW		.6	4.4	1.1	.2							6.3	9.2
NW	.4	.4	1.9	.6								3.1	7.7
NNW		1.1	.4	.2								1.7	6.6
VARBL	3.1	.9										4.1	3.0
CALM												6.3	
	11.1	24.1	36.7	18.3	2.8	.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24076 WERTHEIM GERMANY AAF 65-70 MAR
STATION NAME YEARS MONTH
ALL WEATHER CLASS 1200-1400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.2									.8	4.8
NNE	.2	.4		.2								.3	6.0
NE	.8	.6	1.3	.4								3.0	7.1
ENE	1.3	3.6	3.6	.9	.6							10.0	7.4
E	3.0	4.9	4.9	1.3								14.2	6.3
ESE	1.1	1.7	.9	.4								4.2	5.6
SE		.4	.2									.6	6.3
SSE		.6	.2									.8	5.3
S	.2	.9	.8	.2								2.1	7.4
SSW	.6	1.1	.6	.4		.2						2.8	7.7
SW	.4	.2	2.3	2.5	.2							3.3	10.5
WSW		.2	4.3	7.4	1.7	.4						14.0	12.7
W	.2	1.5	10.0	7.4	1.5							20.6	10.9
WNW		1.7	4.3	2.1	.4							8.3	9.4
NW		.6	2.1	1.1	.2							4.0	9.4
NNW		.4	.9	.4								1.7	9.0
VARBL	2.1	.8										2.8	2.9
CALM												4.0	
	10.2	19.6	36.6	24.5	4.5	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 330

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.4	.2								.8	7.5
NNE	.2	.4	.2									.8	5.3
NE	.4	.8	.4	.6								2.1	7.7
ENE	1.7	3.4	2.5	1.1	.4							9.2	7.2
E	2.1	3.6	4.4	1.7								11.9	7.0
ESE	1.5	2.1	.8	.4								4.8	5.2
SE	.2	.4										.6	4.3
SSE	.2	.4	.2									.8	4.8
S	.4	1.0	.6	.2								2.1	6.6
SSW	.2	1.0	.8									1.9	5.9
SW	.2	.8	.8	2.1	.2							4.0	10.2
WSW	.2	1.1	6.1	6.9	1.7							16.1	11.2
W	.6	1.3	8.2	5.9	2.1	.6						18.6	11.3
WNW	.2	1.1	5.9	2.5	1.0	.2						10.9	10.3
NW	.2	1.0	3.1	1.0	.4							5.6	9.1
NNW	.2	.6	1.0	.2								1.9	7.4
VARBL	1.9	.8										2.7	3.0
CALM												5.2	
	10.5	15.7	35.2	22.6	5.7	.8						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-67, 69-70
YEARS

VAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.5	.5								2.3	6.4
NNE			.5	.5								.9	10.5
NE		1.9	1.4									3.3	6.6
ENE	2.8	1.4	2.3	1.4								7.9	6.7
E	2.3	3.7	2.8	.5								9.3	6.1
ESE	.5	1.9	.5									2.8	5.2
SE	.5											.5	2.0
SSE		.5										.5	3.0
S	1.4	.5	.5									2.3	3.8
SSW	.9											.9	2.5
SW	.5	1.4	2.3	.9								5.1	7.8
WSW	.5	.5	9.8	1.9	.5							13.1	9.3
W	1.4	3.7	9.3	6.5	1.4							22.4	9.5
WNW		2.3	2.8	.9	.5	.5						7.5	9.2
NW		2.3	1.4	.9								4.7	7.8
NNW	.5	.5	.9	.5								2.3	7.4
VARBL	2.3											2.3	1.8
CALM												11.7	
	14.0	22.0	35.0	14.5	2.7	.5						100.5	6.9

TOTAL NUMBER OF OBSERVATIONS 214

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34076 STATION NAME WERTHEIM GERMANY AAF YEARS 55-70 MONTH APR
CLASS ALL WEATHER HOURS (LST) 0600-0800
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.4									.8	3.8
NNE	.2		.4									.6	3.7
NE	.6	2.1	1.0	.2								4.2	5.8
ENE	2.3	5.5	2.3	.4	.2							10.7	5.6
E	1.5	4.0	1.0									6.5	5.0
ESE	.6	.2										.8	3.0
SE		.2										.2	4.0
SSE	.4	.2										.6	2.7
S	.6	.4	.2	.2								1.3	5.0
SSW	.6	.8	1.0	.4								2.7	6.5
SW	.4	1.9	2.5	.8								5.5	7.5
WSW	1.1	3.8	9.6	2.1	1.0							17.6	8.3
W	2.1	5.5	5.7	3.6	.2	.4						17.6	8.1
WNW	.6	1.9	3.4	1.0	.2							7.1	7.8
NW	.2	1.0	1.3	.6	.2							3.3	8.4
NNW		.8	.8									1.5	6.6
VARBL	3.8	.8										4.6	2.6
CALM												14.7	
	15.3	29.3	29.4	9.2	1.7	.4						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 523

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	5.0
NNE	.2	.6		.2								1.0	6.0
NE	1.0	1.1	1.7	.4								4.2	6.8
ENE	2.3	4.0	3.8	1.1								11.2	6.2
E	2.7	5.1	3.0	1.3	.2							12.4	6.4
ESE	2.1	.8	.2									3.0	3.4
SE	.4	.2	.2									.8	4.3
SSE	.2											.2	3.0
S	.8	.2										1.0	3.6
SSW	.2	.4	1.5	.6								2.7	9.4
SW	.4	1.3	3.4	1.5								6.7	8.4
WSW	.4	2.3	6.9	3.6	1.3							14.5	9.8
W	1.5	3.2	6.3	4.4	.6							16.0	8.9
WNW	1.0	2.1	5.5	1.5	.4							10.5	8.3
NW	.6	.8	2.5	.6								4.4	8.0
NNW	.4	.4										.8	3.8
VARBL	2.5	1.3										3.8	3.2
CALM												6.9	
	16.4	24.0	35.0	15.2	2.5							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

525

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2		.2								.4	9.0
NNE	.2	.2	.4									.8	6.0
NE	.4	1.2	1.9	.6								4.1	7.5
ENE	.6	2.3	3.5	1.4								7.8	7.6
E	2.5	4.7	2.9	1.9	.4							12.4	6.8
ESE	1.2	1.0	.8									2.9	4.8
SE		.4	.2									.6	5.3
SSE		.4	.2									.6	6.0
S	.6	.4	.6	.4								1.8	7.3
SSW		.4	.8	.4								1.6	8.4
SW	.6	1.6	3.3	1.0								6.4	8.1
WSW	.2	2.3	7.2	5.0	.6							15.3	9.7
W	1.0	3.7	8.3	7.4	1.0		.2					21.6	10.0
WNW	.4	1.7	5.8	3.5	.2							11.7	9.5
NW		1.4	3.3	.8								5.4	8.5
NNW	.2	.4	.6									1.2	6.3
VARBL	2.5	1.2										3.7	3.1
CALM												1.7	
	10.3	23.3	39.8	22.5	2.1		.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 515

1
DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WEITHEIM GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		.2								.8	7.3
NNE		.2	.2									.4	8.0
NE	.2	1.0	1.4									2.5	6.9
ENE	1.0	2.0	3.5	.6	.2							7.3	7.4
E	1.2	2.7	4.9	1.2	.2							10.2	7.4
ESE	.2	1.4	1.0	.2								2.7	6.1
SE	.2	1.2	.8									2.2	6.0
SSE	.2	.8	.2									1.2	5.0
S	1.4	.8	.4	.2								3.7	4.9
SSW	.6	1.8	.8	.8								3.9	7.1
SW	.2	2.5	1.2	.8	.2							4.9	7.5
WSW	.8	1.8	7.5	3.9	.8							14.7	9.9
W	.8	3.5	8.2	6.3	.8	.2						19.8	9.5
WNW	1.0	1.8	6.3	4.1	.4	.2						13.7	9.5
NW	.2	.4	2.5	1.2								4.3	9.0
NNW		.4	1.0	.4								1.8	8.9
VARBL	1.8	2.0										3.7	3.3
CALM												2.2	
	9.0	25.7	39.8	19.6	2.5	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 510

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24070 STATION NAME WERTHEIM GERMANY AAF YEARS 45-70 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000

CONDITIONS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9										.9	6.0
NNE	.5											.5	3.0
NE		.5		.9								1.4	9.7
ENE	2.3	.5	2.5	.5								6.0	5.9
E	1.9	3.3	1.4		.5							7.0	6.1
ESE		2.3	.5									2.8	5.3
SE		.5										.5	3.0
SSE	.5											.5	3.0
S	1.4	1.4	.5									3.7	6.0
SSW	.9	2.3	.5									3.7	4.5
SW		1.4	2.8	1.4								5.6	9.3
WSW		1.9	3.8	2.3	.5							13.3	9.0
W	.9	4.7	8.8	4.7								18.1	8.2
WNW	.9	4.7	3.1	2.3								13.0	7.3
NW		2.8	4.7	.5								7.9	7.4
NNW		.5	.9	.5								1.9	9.0
VARBL	1.9	1.9										3.7	3.5
CALM												6.4	
	11.6	29.3	26.7	13.0	.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 215

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24076
STATION

WERT-EIM GERMANY AAF
STATION NAME

59
YEARS

11
MONTHS

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W		100.0										100.0	4.0
WNW													
NW													
NNW													
7/8 BL													
CALM												0.0	
		100.0										100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

1

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34076 STATION NAME WERTHEIM GERMANY AAF YEARS 65-70 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	3.0
NNE		.2										.2	6.0
NE	1.3	1.5	.8									3.6	4.8
ENE	3.6	6.6	2.6	.2								13.0	5.1
E	2.3	5.5	1.7									9.4	4.8
ESE	.4	.4										.8	4.0
SE	.4											.4	2.5
SSE	.2	.2										.4	3.0
S	.8	.2										.9	3.2
SSW	.5	.8	.6									1.7	6.1
SW	1.5	2.3	2.3	1.1								7.2	6.8
WSW	1.5	3.0	4.9	.9	.2	.4						10.9	7.9
W	.8	3.6	6.8	5.3								16.4	9.1
WNW		2.3	2.1	1.3								5.6	8.2
NW		.8	1.9	.6								3.2	8.8
NNW		.2	.9	.2								1.3	8.9
VARBL	4.9	.9										5.8	2.6
CALM												18.9	
	18.3	28.2	24.5	9.6	.2	.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 551

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

-4Y
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.2								.2	12.0
NNE			.4									.6	9.5
NE	.2	.9	1.3	.2								2.5	7.1
ENE	.9	3.0	3.0	.8								7.7	6.4
E	4.1	7.7	4.0	.2								16.6	5.4
ESE	1.2	1.3	1.1	.5								4.2	5.9
SE	.5	.6										1.3	3.4
SSE	.5	.2										.9	3.2
S		.2	.4									.6	6.7
SSW	.2	1.1	.9	.4								2.6	7.4
SW	.4	1.7	2.6	2.3	.2							7.3	8.9
WSW	.4	1.3	4.1	3.2	.4	.2						9.8	9.8
W	.5	3.0	9.0	6.4	.8							20.0	9.7
WNW	.2	3.4	1.9	1.1								6.6	7.3
NW	.2	.9	1.9	.9								4.0	8.9
NNW		.4	.6	1.5								2.4	10.7
VARBL	3.8	2.3										6.0	3.3
CALM												6.5	
	13.9	28.2	31.5	18.3	1.3	.2						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

531

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36076 WESTHEIM GERMANY AAF 65-70
STATION STATION NAME YEARS
ALL WEATHER
CLAS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	.5	.2								1.5	7.4
NNE		.2	.4									.5	7.7
NE	.2	.5	.4									1.1	6.0
ENE	1.0	2.5	1.5	.6								5.7	6.7
E	1.0	5.9	5.4	1.7								14.0	7.0
ESE	.5	2.5	2.5	.6								6.5	7.5
SE		1.5	.2									1.7	5.2
SSE		.4										.4	4.5
S	.6	1.3	.4	.2								2.5	5.5
SSW	.4	1.5	1.3	.2								3.4	6.5
SW	.6	1.0	3.3	1.3	.2							6.1	9.3
WSW	.4	1.7	5.7	4.2	.4							12.5	9.7
W	.4	2.5	10.0	6.3	1.0	.4						20.5	10.1
WNW		1.7	3.8	1.7	.2							7.9	9.5
NW	.5	.4	3.1	1.5								5.5	8.4
NNW			1.0									1.0	9.0
VARL	4.4	2.7										7.1	3.1
CALM												1.9	
	10.0	27.2	39.7	19.2	1.7	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS MAY MONTH 1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.4									1.0	6.0
NNE													
NE		.6	1.0	.5								2.1	8.7
ENE	1.2	1.7	1.9	.2								5.0	6.0
E	2.3	4.2	4.6	.6								12.1	6.3
ESE	.4	1.9	1.5	.6								4.4	6.8
SE	.6	1.0	1.2									2.7	5.8
SSE	.6	.6	.4									1.5	5.0
S	1.2	1.2	.4									2.7	4.4
SSW	.2	1.7	.6									2.5	5.8
SW		1.5	1.5	1.2								4.2	8.2
WSW	.4	1.3	3.4	3.7	.8							11.6	10.0
W	.6	2.7	10.0	6.7	1.3	.2						21.6	10.2
WNW	.4	1.9	3.9	1.3	.2							7.7	8.7
NW	.8	1.3	4.4	1.3								7.9	8.1
NNW	.2	1.0	1.7	.2								3.1	7.3
VARBL	5.0	2.3										7.3	3.2
CALM												2.5	
	13.9	25.6	38.9	16.6	2.3	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 519

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

VERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.T.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4										.4	4.0
NNE	.4	.8										1.3	4.3
NE	.8	1.3	.8									3.0	5.7
ENE	1.7	3.4	2.1	.4								7.6	5.7
E	2.1	1.7	3.4									7.2	5.8
ESE	.8	.8	2.5									4.2	6.2
SE	.4	.8	1.3									2.5	6.0
SSE	.4	1.3										1.7	4.5
S	.4	.8	.4									1.7	4.3
SSW	1.3	2.1		.4								3.8	5.2
SW		.8	2.5	.4								3.8	7.7
WSW	.4	5.1	3.5	1.7	.4							13.1	7.9
W		5.1	10.1	5.5	.8							21.5	9.2
WNW		3.0	4.6	.4								8.0	7.3
NW	.4	.8	1.3	.8								3.4	7.4
NNW	.4	.4	1.7									2.5	7.0
VARBL	3.8	2.1										5.9	3.4
CALM												8.4	
	13.5	30.8	36.3	9.7	1.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 237

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS JUN MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.4									1.7	4.9
NNE		1.1		.2								1.3	6.3
NE	.0	1.5	1.3	.2								3.0	5.9
ENE	3.2	5.3	3.2	1.1								13.0	5.7
E	2.9	2.9	1.5									7.2	4.6
ESE													
SE	.2											.2	2.0
SSE													
S	.2											.2	2.0
SSW	.2	.2	.6									1.1	6.8
SW	1.0	3.0	1.5									5.5	5.5
WSW	.2	5.1	4.4	1.5								11.2	7.4
W	1.3	5.0	5.0	1.5	.4	.4						13.5	7.6
WNW	.4	3.4	3.4	1.3	.4							9.0	8.2
W NW	.4	.8	1.9									3.0	7.3
NW		.4	.6	.2								1.1	7.7
VARBL	6.1	2.9										9.0	2.9
CALM												19.2	
	17.0	32.6	24.0	6.1	.8	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 525

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.1	.2								2.3	7.1
NNE			.6	.4								.9	9.6
NE	.8	.2	.8	.6								2.3	7.8
ENE	1.7	4.0	2.8	1.7								10.2	6.8
E	3.6	4.2	3.0	1.5								12.5	6.0
ESE	1.1	1.1	.2									2.5	3.8
SE	.4		.4									.8	5.5
SSE	.4											.4	2.5
S	.2	.4	.2									.8	3.8
SSW	.4	.6	.6									1.5	6.0
SW	.6	1.5	2.7	.6								3.2	7.3
WSW	.6	3.0	5.7	2.1								11.4	8.0
W	.8	2.8	8.9	3.0	.6	.2						16.3	9.2
WNW	.6	3.0	2.3	1.3	.2	.2						7.6	8.1
NW	.2	1.3	3.2	.6								3.3	7.7
NNW	.2	1.3	.9									2.5	6.2
VARBL	4.7	4.2										8.9	3.4
CALM												8.7	
	16.7	28.2	33.3	11.9	.8	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

528

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

55-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4										.6	4.0
NNE			.6	.4								1.0	9.6
NE	.4	1.0	.8	.6								2.7	7.7
ENE	1.2	1.7	2.7	1.2	.2							6.9	7.4
E	2.1	4.2	2.7	2.5								11.6	7.3
ESE	1.4	.4	1.0	.2								2.9	5.7
SE	.6	1.2	.4									2.3	4.7
SSE	.4	.6	.4									1.4	4.5
S	.2	.4	.6									1.2	5.8
SSW	.8	1.0	1.7									3.5	6.3
SW	.2	2.7	1.4	.6								4.8	6.9
WSW	.6	6.0	4.6	1.9								13.1	7.4
W	1.4	.2	9.1	4.1	.6							19.3	8.6
WNW	.4	1.5	3.9	2.3	.4							8.5	9.4
NW	.8	.4	2.5	.4								4.1	7.4
NNW		.6	1.7	.8								3.1	8.6
VARBL	2.9	4.6										7.5	3.5
CALM												5.6	
	13.5	30.9	34.0	14.9	1.2							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 518

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	.2	.8	.8	.2								1.9	6.9
NNE	.4	.6	.8	.2								1.9	7.2
NE	.2	.8	1.9	.4								3.3	8.2
ENE	1.0	1.6	1.6	.8	.4							5.2	8.0
E	1.4	2.1	3.9	1.4	.2							8.9	7.8
ESE	.6	1.2	.6									2.3	5.2
SE	.4	.2	.4									1.0	4.8
SSE	.8	.2	.4									1.4	4.4
S	.6	.6										1.2	3.7
SSW	.6	1.2	1.0	.2								2.9	5.8
SW	.8	1.4	2.1	.6								4.8	6.8
WSW	1.0	4.3	5.6	1.7								12.6	7.6
W	.8	5.8	8.5	2.9	.6							18.6	8.2
WNW	.6	3.1	3.1	2.3	.4							9.5	8.4
NW		.8	2.7	1.0								4.5	8.9
NNW	.2	.8	3.1	1.2								5.2	8.7
VARBL	2.5	5.8										8.3	3.8
CALM												6.4	
	11.8	31.0	36.4	12.8	1.6							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

516

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9		.4									1.3	5.3
NNE													
NE		.4	2.6	1.3								4.3	10.2
ENE	2.2	1.7	.7	.4								5.2	5.1
E	1.7	2.6	2.6									6.9	5.6
ESE	.4	.4	.9									1.7	5.3
SE		.4										.4	3.0
SSE	.9											.9	3.0
S	.9	.4										1.3	3.3
SSW	.4	.9										1.3	4.3
SW	.9	2.6	.4	.4								4.3	5.3
WSW	1.7	4.7	3.0	1.7								11.2	6.6
W	2.6	11.2	8.6	2.2								24.6	6.6
WNW	1.3	3.9	2.6	3.0	1.3							12.1	9.0
W		.9	2.6	.9								4.3	8.9
NNW		1.7	2.2									3.9	7.3
VARBL	3.9	2.6										6.5	3.1
CALM												9.9	
	17.7	34.5	29.7	9.9	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

232

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.2									.8	5.5
NNE		.2	.4									.6	7.3
NE		.8										.9	4.8
ENE	2.5	5.1	.4									5.0	4.2
E	1.7	2.5	.8									4.9	4.5
ESE													
SE													
SSE													
S	.2											.2	3.0
SSW		.6	.2	.2								.9	7.0
SW	1.1	1.3	2.7	.2								5.3	6.4
WSW	.2	4.5	6.4	2.3	.2							13.6	7.9
W	.6	6.2	6.1	1.1								14.0	7.1
WNW	.8	3.0	3.6	.9								8.3	7.1
NW	.9	1.1	2.5	.9								5.5	7.4
NNW	.4	.4										.8	4.0
VARBL	6.6	1.9										8.5	2.9
CALM												27.3	
	15.0	28.2	23.1	5.7	.2							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

528

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.2									.6	3.3
NNE		.4										.4	4.5
NE		.9	.2	.2								1.2	6.1
ENE	2.8	1.3	.6	.2								4.9	4.0
E	4.2	4.7	1.1									10.0	4.2
ESE	.9	.9	.4	.2								2.5	5.4
SE		.6	.6									1.1	6.7
SSE	.4											.4	3.0
S	.2											.2	2.0
SSW	.2	.2	.2									.6	5.3
SW		2.3	2.3	.6								3.1	7.4
WSW	.8	3.4	5.1	3.8	.2							13.3	8.0
W	1.5	3.6	10.4	3.4	.6							19.5	8.4
WNW	.8	2.7	4.7	2.3								10.4	8.1
NW	.8	1.3	2.3	.6								3.1	7.3
NNW	.2	.8	.4									1.3	6.3
VARBL	6.4	5.7	.2									12.3	3.6
CALM												11.0	
	19.1	29.2	28.6	11.4	.8							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

328

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4										.4	4.5
NNE													
NE	.2	.5	.2									1.1	4.9
ENE	.8	1.9	.6									3.3	5.1
E	1.7	3.6	2.3	.6								6.2	6.0
ESE	.6	1.5	2.3									4.6	6.3
SE	.2	.6										.8	5.0
SSE	.2		.2									.4	5.5
S	.4	.5										1.1	4.2
SSW	.6	1.0	1.0									2.5	5.5
SW	.6	.6	3.6	.6	.6	.2						6.1	9.3
WSW	1.0	1.7	8.2	4.0	.4	.2						15.5	9.4
W	1.1	4.6	10.5	4.6	1.1							22.0	9.1
WNW	.2	2.1	5.0	2.1	.4							9.8	9.0
NW	.6	1.3	3.8	.6								6.3	7.7
NNW	.4	1.3	1.0									2.7	5.9
VARBL	4.4	5.0	.4									9.8	3.7
CALM												5.4	
	13.0	27.2	39.1	12.5	2.5	.4						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	.2									1.3	5.0
NNE	.2	.6	.4	.2								1.3	6.4
NE	.2	.2	1.0									1.3	6.3
ENE	.8	1.3	1.0									3.1	4.9
E	1.2	2.3	1.3									4.8	5.4
ESE		1.0	1.7									2.7	7.3
SE	.2	.6	.2									1.0	5.4
SSE	.4	.2										.6	4.0
S	.6	.2										.8	3.3
SSW	.2	.6	.4									1.2	5.8
SW	.6	1.0	2.3	.4								4.2	7.0
WSW	1.7	2.3	6.9	3.5								16.4	8.7
W	1.7	3.1	11.6	4.6	.4							21.4	8.8
WNW	.4	2.9	5.2	3.1	.2							11.8	8.8
NW	.4	1.2	3.3	1.9	.2							6.9	8.6
NNW		1.0	.2	.2								1.3	6.4
VARBL	5.0	6.2										11.2	3.7
CALM												8.7	
	13.7	25.4	37.6	13.9	.8							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

519

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WEITHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.4									1.7	4.5
NNE			.4									.4	10.0
NE		1.3	.9									2.1	6.6
ENE		.4	1.3									1.7	8.0
E	.9	1.3	1.3									3.4	5.4
ESE	.4	.4	.4									1.3	5.7
SE	.4											.4	3.0
SSE													
S	.4	.4										.9	4.5
SSW		.9		.4								1.3	7.3
SW	.4	.9	.9	.4								2.6	6.8
WSW	3.0	2.6	9.4	5.2	.4							20.6	8.8
W	1.7	9.4	9.4	2.6								23.2	7.1
WNW		3.4	4.3	2.1								9.9	9.3
NW	.4	2.6	2.1	.9								6.0	7.4
NNW		.4	.4	.4								1.3	8.7
VARBL	4.3	3.0										7.3	3.6
CALM												15.9	
TOTAL	12.9	27.5	31.3	12.0	.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 233

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEAR

ALG
MOON

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.4									.9	5.0
NNE	.2	.6	.2									.9	5.2
NE	.7	1.1	.9									2.5	4.9
ENE	4.6	7.0	1.5									13.1	4.4
E	3.3	2.9	.4									6.6	3.5
ESE	.9	.6										1.5	3.1
SE	.2											.2	3.0
SSE	.2											.2	3.0
S	.9											.9	2.8
SSW	1.3	.4	.2									1.9	3.6
SW	.9	2.6	3.5	.2								7.2	6.8
WSW	1.1	3.9	3.5	.5								13.1	6.5
W	2.4	4.2	6.1	.9								13.6	6.4
WNW	.6	2.0	2.4	.6								5.5	7.1
NW		.7	1.7									2.4	7.4
NNW	.4											.4	3.0
VARBL	7.2	2.8										9.9	2.9
CALM												19.0	
	25.0	31.1	22.7	2.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

543

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34076 WERTHEIM GERMANY AAF 65-70 AUG
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-1100
HOURS (LST)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4										.4	4.5
NNE		.2										.2	4.2
NE	.4	1.3	.4	.2								2.2	5.8
ENE	2.9	4.8	2.4	.4								10.5	5.1
E	5.2	4.8	1.3	.4								11.6	4.5
ESE	2.0	1.1	.4	.2								3.7	4.1
SE	1.3	.2										1.5	3.0
SSE	.4	.2										.6	3.0
S	.2		.2									.4	5.0
SSW	.7	.9	.2									1.8	4.5
SW		1.3	2.9	1.1								5.2	3.6
WSW	.9	3.1	4.6	2.0								10.7	7.9
W	1.1	4.1	8.5	3.1	.4							17.1	6.2
WNW	.4	2.2	2.4	.9								5.9	7.7
NW		2.2	1.5	.2								3.9	6.8
NNW			.7									.7	3.5
VARBL	7.2	6.1	.4	.2								13.9	3.6
CALM												9.9	
	22.7	32.6	25.6	8.7	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 543

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	AN AND SPEED
N		.2	.2									.4	5.5
NNE		.4	.4	.2								.9	7.4
NE	.4	1.1	.6									2.1	5.2
ENE	2.3	3.9	3.4	.6								10.1	6.0
E	3.2	4.5	3.0	.6								11.3	5.3
ESE	.9	.9	1.1	.2								3.2	5.8
SE	.6	.9	1.1									2.6	5.6
SSE	.4	.4										.8	4.3
S	.2	1.1	.2									1.5	5.4
SSW	.2	.4	.6									1.1	5.8
SW	.2	1.1	3.2	1.3								5.8	8.4
WSW	.4	2.4	6.9	2.4	.2							12.4	8.8
W	.2	4.1	13.1	4.5	.6							22.5	8.9
WNW	.4	2.1	2.1	2.1								4.6	8.4
NW		.8	1.9	.4								3.0	8.1
NNW	.2											.2	2.0
VARBL	6.6	3.9	.8	.2								11.4	3.7
CALM												4.1	
	15.9	28.3	38.5	12.4	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

533

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.4									1.3	4.9
NNE	.2		.4									.6	6.7
NE		1.1	.8	.2								2.1	6.9
ENE	2.5	3.2	2.7									8.3	5.3
E	2.3	4.5	2.1	.4								9.3	5.4
ESE	.6	.9	1.3									2.8	6.1
SE		1.3	1.1									2.5	6.3
SSE	.2											.2	3.0
S	.4	.8	.4									1.5	5.4
SSW	.4	1.3	.2	.2								2.1	5.3
SW	.4	1.7	3.6	.6								6.4	7.6
WSW	.2	3.2	8.3	3.2								13.0	6.3
W	1.1	4.7	10.6	3.8	.6							20.8	3.5
WNW	.2	3.0	3.0	1.7								8.0	8.2
NW		1.3	2.3	.2								3.8	7.5
NNW	.2	.8	.9									1.9	6.3
VARBL	4.0	4.7	.8	.4								9.8	4.3
CALM												3.6	
	12.9	33.3	39.0	10.6	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

528

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS AUG MONTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8										1.7	3.8
NNE		.8										.8	5.0
NE	.4	1.3	.8									2.5	5.7
ENE	3.8	3.4	.8									8.0	4.2
E	2.9	2.5	.8		.4							6.7	5.1
ESE		.8	.4									1.3	5.7
SE		.4	.4									.8	6.5
SSE	.4											.4	3.0
S	.4	.8										1.3	3.7
SSW		.4	.4									.8	5.5
SW	1.7	2.1	3.4	.8								8.0	6.6
WSW	1.7	7.1	9.7	.8								14.3	6.7
W	.4	7.1	8.8	1.7								18.1	7.2
WNW	.8	3.4	3.4									7.6	6.1
NW		2.1	.3	.8								4.2	7.5
NNW		.8	1.7									2.5	8.3
VARBL	2.5	3.8	.4	.4								7.1	4.3
CALM												8.8	
	16.0	37.8	32.4	4.6	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 238

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS SEP MONTH 0600-0800 HOURS (LST)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.2	.2										.4	3.0
NE	1.5	1.7	2.1	.2								5.5	5.9
ENE	4.7	3.2	1.7									9.7	4.1
E	2.3	2.8	1.1									6.2	4.4
ESE	1.5	.4										1.9	2.9
SE	.8											.8	2.3
SSE	.9	.4										1.3	3.3
S	.6	.2										.9	2.8
SSW	.6	.8	.9									2.3	5.8
SW	.9	4.2	3.8	.6								9.5	6.6
WSW	1.1	4.5	6.4	1.3								13.4	7.4
W	1.3	3.6	4.0	1.3								10.2	7.1
WNW	.4	.4	.2									.9	5.0
NW	.6	.2										.8	3.5
NNW													
VARBL	12.5	1.7										14.2	2.5
CALM												22.0	
	30.1	24.2	20.3	3.4								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34076 STATION NAME AERTHEIM GERMANY AAF YEARS 65-70 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2									.2	10.0
NNE	.2			.2								.4	7.0
NE	1.3	.6	.4									2.3	7.0
ENE	5.1	5.3	2.8									13.3	4.6
E	2.8	6.8	2.8	.4								12.9	5.3
ESE	.4	.9	.4									1.7	5.1
SE	.4											.4	2.5
SSE	.2											.2	3.0
S	.9	1.1										2.1	3.4
SSW	.4	.9	1.5	.4								3.2	7.1
SW	.6	1.7	4.9	2.1								9.3	8.4
WSW	.9	2.7	4.7	3.2	.2							11.7	8.8
W	1.3	2.3	4.2	2.8	.2		.2					11.0	8.7
WNW		.6	.9	1.1								2.7	9.3
NW			1.1									1.1	8.7
NNW		.2	.2									.4	6.0
VARBL	8.9	3.2	.8	.4								13.3	3.5
CALM												14.0	
	23.5	26.3	25.0	10.6	.4		.2					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 328

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										.4	4.5
NNE	.2	.8	.6									1.3	6.0
NE	.4	.7	.2	.2								1.0	5.8
ENE	.3	3.0	2.3	.5								11.4	4.5
E	4.4	7.6	2.9	.4								12.0	5.2
ESE	1.1	1.9	1.3									4.4	5.0
SE	.6	.4	.4									1.3	5.1
SSE	.4	.4	.4									1.1	5.2
S	1.0	1.3										2.3	3.8
SSW	.2	.8	1.5	.8								3.2	7.8
SW		2.3	3.4	2.5								8.2	8.4
WSW	.4	2.7	7.4	4.9								15.4	9.5
W	.6	4.0	4.6	3.0	.6							12.7	8.9
WNW		1.9	2.5	.8	.2							3.3	8.3
NW		.6	.8	.4								1.7	7.9
NNW	.2	.4	.8									1.3	6.4
VARBL	5.5	5.1	.4	.4								11.4	3.9
CALM												5.3	
	20.2	30.4	29.3	14.1	.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

526

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	5.0
NNE	.2	.2	.6									1.0	6.3
NE	1.0	.8	1.7	.2								3.6	6.2
ENE	3.4	2.5	1.3	.4								7.6	5.0
E	3.2	3.8	2.3	.6								9.9	5.1
ESE	.6	1.1	1.1									3.0	5.3
SE	.4	1.0	.2									1.5	4.5
SSE	.6	.2	.2									1.0	3.6
S	1.0	1.1	.6									2.7	4.7
SSW	.2	1.5	1.0	.4								3.0	6.8
SW	.2	2.1	3.2	1.9								7.4	3.6
WSW	.4	2.1	8.6	4.4								15.4	9.3
W	1.1	5.5	4.4	2.9	.4							14.3	7.7
WNW	.2	2.3	2.5	.8								5.7	7.5
NW		.4	1.3	.4								2.1	8.5
NNW	.2	1.0	.6									1.7	5.6
VARBL	6.3	5.1	1.0	.4								12.8	4.0
CALM												7.0	
	19.0	30.9	30.5	12.2	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

525

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

HERTHEIM GERMANY AAF
STATION NAME

55-70
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4									.4	7.0
NNE	.9	.9										1.7	3.8
NE	.4	3.4	.4									4.3	4.8
ENE	3.0	.9		.4								4.3	4.1
E	3.8	2.1										6.0	3.4
ESE			.4									.4	9.0
SE	1.3											1.3	2.3
SSE		.4										.4	5.0
S	.9	.4										1.3	2.7
SSW	.9	.9	.9									2.5	3.2
SW	.4	4.3	3.8	.4								8.9	6.9
WSW	.4	5.5	10.2	1.7								17.9	7.6
W	1.7	5.5	3.4	1.7	.4							12.8	6.8
WNW	.4	1.3										1.7	4.8
NW	.9	1.7	.9									3.4	5.1
NNW	1.3											1.3	2.7
VARBL	7.2	4.7										11.9	3.1
CALM												19.6	
	23.4	31.9	20.4	4.3	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

235

DATA PROCESSING DIVISION
ETAG/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.5	.7	.5	.2								2.0	5.7
ENE	4.0	4.7	1.4	.4								10.5	4.6
E	4.0	4.2	1.4	.4								9.9	4.3
ESE													
SE													
SSE	.4											.4	3.0
S	.4	.5	.4									1.3	5.3
SSW	.4	1.1										1.4	4.5
SW	.9	3.1	4.3	1.4		.2						9.9	7.8
WSW	1.4	3.6	4.9	2.5	.1							12.8	7.8
W	1.1	3.3	2.7	2.4	.4							9.8	9.3
WNW	.7	.7	1.6	.9								4.0	7.8
NW			.5	.5	.2							1.3	10.9
NNW	.5		.2	.2								.9	5.6
VARBL	9.0	1.4		.4								10.8	2.9
CALM												25.0	
	23.3	23.3	18.1	9.2	.9	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

553

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/VAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION 4ERTHEIM GERMANY AAF STATION NAME 55-70 YEARS ECT MONTH 0900-1100 HOURS (L S T)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.2									.4	6.5
NNE	.4		.2									.5	4.0
NE	.7	.7	.7									2.2	5.3
ENE	3.6	4.5	2.0	.2								10.3	4.7
E	7.8	6.1	1.8	.2								15.9	4.1
ESE	1.8	.7										2.5	3.1
SE	.2	.7										.9	4.4
SSE	.4											.4	3.0
S	.5	.2										.7	2.8
SSW	.4	.9	.7	.2								2.2	6.2
SW	.2	2.2	4.0	1.1	.2							7.6	5.0
WSW	.7	1.4	6.1	3.6	.4							12.3	9.6
W	.4	2.3	5.2	3.6	.5							12.3	9.6
WNW	.4	.4	.7	2.0								3.4	10.1
NW		.2	.5	.2								.9	8.8
NNW	.4	.4	.2	.4								1.3	6.9
VARBL	7.2	2.2	.4	.5								10.3	3.4
CALM												16.1	
	25.1	22.9	22.7	12.1	1.1							100.2	5.4

TOTAL NUMBER OF OBSERVATIONS 554

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

63-70
YEARS

GCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.2								.2	13.0
NNE		.2										.2	4.0
NE	.5	.9	.5									2.0	5.3
ENE	4.2	2.9	2.5	.2								9.8	5.0
E	6.9	5.6	4.0	.4								16.9	4.8
ESE	1.1	2.5	.2									3.8	4.3
SE	.4	.9										1.3	4.4
SSE	.2	.4	.2									.7	4.8
S	.2	.2	.2									.5	5.7
SSW	.4	.4	.2									.9	4.4
SW	.5	1.1	2.5	3.1	.2							7.3	10.0
WSW	.2	2.9	7.3	4.0	.2							14.5	9.4
W		1.8	5.3	4.7	.7							12.5	10.2
WNW	.5	.5	2.4	2.2	.5							6.2	10.3
NW	.2	.2	1.1	.2								1.6	8.1
NNW		.2	.7	.2								1.1	9.0
VARBL	6.0	2.7	.7	.4								9.8	3.8
CAIM												10.4	
	21.3	23.5	27.8	15.5	1.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

530

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WEST-EM GERMANY AAF
STATION NAME

65-70
YEARS

ECT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2	.2								.4	11.0
NNE	.5	.7										1.3	4.0
NE	.9	.9	.7									2.6	4.9
ENE	2.7	4.2	.7	.4								8.0	4.8
E	5.6	5.8	3.3	.2								14.9	4.7
ESE	.7	1.3	.7									2.7	5.2
SE													
SSE		.4										.4	4.0
S	1.1	.5										1.6	3.4
SSW	.4	.7	.5	.2								1.8	6.0
SW	.9	3.6	3.6	.9								9.1	7.1
WSW	.9	4.0	6.7	2.0								13.7	7.8
W	.5	2.4	5.4	3.5	.5							13.3	5.5
WNW	.4	1.6	2.2	2.2	.2							5.6	9.2
NW	.4	.4	1.1	.2		.2						2.2	8.8
NNW	.4	.4	.7	.4								1.5	8.0
VARBL	7.5	3.5	.4	.4								11.7	3.5
CALM												5.4	
	22.6	30.4	27.3	10.4	.7	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 549

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34076 KERTHEIM GERMANY AAF STATION NAME YEARS 65-70 MONTHS 1001
CLASS ALL-WEATHER 1800-2000
CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4										.8	3.5
NNE	.4											.4	3.0
NE	.4	.5	.8									2.1	6.4
ENE	5.3	3.3	.4									9.1	4.0
E	5.8	5.3	1.6									12.8	4.3
ESE		1.2										1.2	5.0
SE													
SSE	1.2											1.2	3.0
S	.6	.4	.4									1.6	4.5
SSW		1.6										1.6	4.8
SW	1.2	1.6	2.1	.4								5.3	6.1
WSW	2.1	9.5	5.3	1.6								18.5	6.4
W	.5	2.9	4.9	1.2	.4	.4						10.7	8.5
WNW		1.2	.4		.4							2.1	9.0
NW		1.2	2.9	.4								4.5	8.9
NNW		.4										.4	5.0
VARBL	6.0	2.1	.4									9.1	2.9
CALM												18.5	
	25.1	32.1	19.3	3.7	.8	.4						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 243

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34075 NAME MERTHEIM GERMANY AAF YEARS 66-70 MONTH ANY
CLASS ALL WEATHER MONTHS 0600-0800
CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	.4		.2									.5	4.3
NE	1.2	.4	.2									1.8	3.4
ENE	2.7	6.0	2.5									11.2	5.0
E	4.0	6.9	2.5	.5								14.9	5.2
ESE	.4	.7	.5									1.6	5.3
SE	.2	.3										.7	4.3
SSE	.4	.5										.9	4.0
S	.5	.9	.5									2.0	5.2
SSW	.7	1.1	2.1									3.9	6.2
SW	1.4	1.6	4.3	1.4								6.7	7.7
WSW	.7	3.0	5.2	3.9	.7	.4						13.9	9.7
W	1.1	4.3	5.4	3.7	2.0	.5	.2					15.1	10.5
WNW	.7	1.4	.9	.7								3.7	6.7
NW		.5	.4									.7	5.6
NNW		.9	.5									1.4	5.3
VARBL	4.1	.5	.2	.2								5.0	3.1
CALM												15.9	
	19.2	29.4	23.3	10.5	2.7	.9	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 362

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.5	.5										1.1	3.5
NE	.9	1.4	.5	.4								3.2	5.1
ENE	3.2	6.7	2.3	.9								13.1	5.4
E	3.4	6.2	2.5	.5								12.5	5.3
ESE	.5	1.1	.7	.2								2.5	5.9
SE	.5	.2	.2									.9	3.6
SSE	.9	.2										1.1	2.7
S	.2	.7	.7									1.6	5.8
SSW	.5	1.8	1.4	.2								3.9	6.1
SW	.5	2.1	4.2	1.4								8.3	7.9
WSW	.2	2.7	4.8	5.7	1.4	.2						14.5	11.1
W	.7	1.6	4.6	5.3	1.4	.5						14.1	11.5
WNW	.4	1.4	.4	1.9								4.1	9.0
NW		.5	.2	.2								.9	7.0
NNW	.2	.2		.4								.7	7.8
VARBL	5.3	1.2	1.6	.2								8.3	3.9
CALM												9.0	
	17.6	28.4	24.0	17.1	2.8	.7						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

566

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.4									.9	5.0
NNE	.4	.5										.9	4.2
NE	.4	1.6	.4	.2								2.5	5.4
ENE	2.3	4.3	2.3	.3								9.5	5.9
E	3.0	5.9	4.1	1.4								14.5	6.1
ESE	1.4	2.0	1.1	.2								4.6	5.2
SE	.5	.7										1.2	4.4
SSE	.2	.2	.2									.5	3.7
S		.7	.9	.4								2.0	8.5
SSW	.2	1.1	3.6	.7								5.5	8.6
SW	.2	1.8	2.1	2.7								6.8	9.3
WSW	.5	1.8	5.0	5.0	.5	.4	.4					13.6	10.3
W		2.0	4.5	5.2	2.7	1.1						15.4	12.6
WNW	.2	.5	1.8	2.3								4.8	10.3
NW		.4	.2									.5	6.3
NNW		.2	.5									.7	7.8
VARBL	3.6	1.3	.9									6.2	2.9
CALM												9.5	
	13.2	25.5	27.9	18.6	3.2	1.4	.4					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

560

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 WERTHEIM GERMANY AAF

64-70

NEV

ALL WEATHER

1500-1700

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.4									.7	5.8
NNE	.5	.4	.4									1.3	5.5
NE	1.3	.7	.2									2.2	3.8
ENE	3.1	4.5	1.5	.5	.2							10.2	5.7
E	2.5	7.1	4.2	.9								14.7	6.0
ESE	.2	1.8	1.8	.2								4.0	6.7
SE		.5	.4									.9	6.2
SSE		.4										.4	4.0
S	.7	.5	.4									1.6	4.4
SSW	.5	.7	2.2	1.1	.2							4.7	8.5
SW	.3	1.8	4.2	2.0	.2							8.7	8.7
WSW		1.1	6.4	5.3	.9		.2					13.5	10.9
W		2.5	5.6	4.4	2.7	.4						15.6	11.6
WNW	.9	1.1	1.3	.9	.2	.2						4.5	8.4
NW	.2		.2	.2								.5	7.3
NNW			.4									.4	9.0
VARBL	3.4	1.6	.2	.4								5.6	3.8
CALM												10.2	
	14.2	23.0	27.4	16.2	4.4	.5	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

551

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-66, 68-70
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.9									.9	10.0
NNE													
NE	.4	.4	.4	.4								1.7	7.0
ENE	3.5	3.0	3.0	1.7								11.3	5.9
E	2.6	6.1	3.5	.9								13.0	6.0
ESE	.9	2.2	.4	.4								3.9	5.7
SE	.4	.9	.4									1.7	4.8
SSE		.4	.9									1.3	7.3
S													
SSW	.4	1.3	1.7									3.3	6.9
SW		1.7	2.2	.4								4.3	7.6
WSW	.4	4.3	8.2	3.9	.9	.9	.4					19.0	10.3
W	2.6	3.5	3.9	5.6	2.6							18.2	9.9
WNW		.4	1.7	.9								3.0	9.0
NW				.4								.4	14.0
NNW													
VARBL	3.9	1.7										5.6	3.1
CALM												12.1	
	15.2	26.0	27.3	14.7	3.5	.9	.4					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

231

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9										1.0	4.7
NNE	.3	.3	.3									1.0	5.9
NE	1.0	.3	1.2	.9								3.5	7.5
ENE	.7	3.1	2.4	.5								6.8	6.6
E	1.9	4.3	1.9	.3								8.7	5.5
EJE	.3	2.6	.5									3.5	4.7
SE	.3	.7										1.0	4.3
SSE	.2	.2										.3	3.0
S	1.0	1.0		.2								2.3	4.2
SSW	.5	1.2	.7	.2								2.6	5.5
SW	.2	1.6	.5	1.4	.2	.2						4.0	9.6
WSW	.9	1.9	9.7	5.2	1.2	.2						19.0	10.0
W	1.2	2.1	4.9	4.2	1.2	.5						14.1	10.6
WNW	.2	.9	1.0	1.2	.2							3.5	9.3
NW	.2	.3	1.0	.5								2.1	6.5
NNW	.2	.7	.3									1.2	5.4
VARBL	5.4	.9	.2	.2								6.6	3.0
CALM												18.6	
	14.8	23.3	24.9	14.6	2.8	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 575

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION WERTHEIM GERMANY AAF 64-70 YEARS DEC MONTH
ALL WEATHER CLASS 0900-1100 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9										1.2	4.6
NNE	.2	.9	.3									1.4	5.5
NE	.2	1.0	.2	.3								1.7	6.7
ENE	1.4	3.4	1.7	1.5								8.1	7.0
E	1.2	5.3	2.7	.9								10.1	6.4
ESE	1.2	1.0	.5	.2								2.9	4.8
SE	.2	.7	.5									1.4	5.1
SSE	.3											.3	3.0
S	.9	.9										1.7	5.4
SSW	.2	.9	.3	.2								1.7	5.7
SW	.7	1.9	2.2	.9	.2							5.3	7.4
WSW	1.4	2.9	6.0	7.6	1.4	1.0	.2					20.4	11.2
W	1.2	3.8	5.2	4.6	.3	.2						19.3	9.2
WNW		.3	2.4	.2	.2							3.1	8.7
NW	.2		.9	.2								1.2	7.4
NNW		.5										.5	5.3
VARBL	6.4	1.5										7.9	2.7
CALM												15.1	
	16.0	25.2	23.0	16.5	2.1	1.2	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 582

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14076
STATION

NERTHEIM GERMANY AAF
STATION NAME

54-70
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.4									.4	8.0
NNE		.7		.2								.9	7.0
NE	.4	1.6	.4	.5								2.8	6.2
ENE	.5	2.5	2.1	.7								5.9	6.9
E	.9	6.7	4.8	.7								12.1	6.5
ESE	1.1	1.4	.7									3.2	5.1
SE		.9	.2									1.1	5.5
SSE													
S	.5	.4										.9	3.0
SSW		.7		.2								.9	5.8
SW	.7	2.8	2.1	1.1								6.7	7.5
WSW	.9	3.4	7.4	6.7	1.6	.7						20.7	10.7
W	.5	2.3	4.6	5.7	.9	.9	.2					15.1	11.6
WNW	.2	1.4	2.1	1.4								5.1	8.6
NW		.7	.7									1.4	6.3
NNW		.4	.2									.5	5.7
VARBL	8.2	1.4										9.6	2.6
CALM												11.7	
	12.8	27.2	25.7	17.2	2.5	1.6	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 564

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34076 STATION NAME WERTHEIM GERMANY AAF YEARS 64-70 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 1500-1700
CONDITION

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2		.2								.4	9.5
NNE	.6	.2	.2									.9	4.2
NE	.4	1.2	.9	.4								3.0	6.7
ENE	1.1	1.9	2.2	.7								5.9	7.0
E	1.3	4.6	3.9									9.8	5.9
ESE	.9	1.9	.7									3.5	5.1
SE	.9											.9	2.8
SSE	.4	.4										.7	4.0
S	.2	.7	.4									1.3	5.1
SSW	.6	.2	.4	.2								1.3	5.4
SW	.6	2.6	4.1	.7	.2							8.1	7.5
WSW	.2	4.0	9.3	5.2	1.3	.2	.2					20.9	9.9
W	.4	3.3	5.6	4.3	.7							14.3	9.6
WNW		.7	1.7	.9		.2						3.3	10.0
NW		1.1	1.3	.2	.2							2.8	8.3
NNW			.4									.4	7.5
VARBL	6.9	1.5										8.3	2.8
CALM												13.9	
	14.3	25.2	30.9	12.8	2.4	.4	.2					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 340

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076 STATION HERTHEIM GERMANY AAF 54-66,68-70 YEARS DEC
MONTH
1800-2000
PODS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5										.5	4.0
NNE	.5											.5	2.0
NE		1.4	.5									1.8	3.5
ENE	3.6	2.7	3.2	.5								9.9	3.5
E	3.2	5.9	3.6									12.6	5.0
ESE		.9	.5									1.4	6.7
SE		.9	.5									1.4	5.0
SSE		.5										.5	3.0
S		.9										.9	3.5
SSW		1.4	.5									1.8	6.0
SW	.5	1.6	3.5	.9				.5				7.2	9.3
WSW	1.8	5.9	5.9	6.8	.9	.5						21.6	9.2
W	1.6	1.4	4.5	5.0	.9							13.5	9.8
WNW		1.8	1.8	.9								4.5	8.3
NW	.5		1.4									1.8	7.3
NNW	.5		.5									.9	6.5
VARBL	5.4	.5										5.9	2.3
CALM												13.5	
	17.6	26.1	26.1	14.0	1.8	.5		.5				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 222

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

64-70
YEARS

ALL
MONTH

INSTRUMENT
CLASS

ALL
HOURS (L S T)

CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.2	.0								.7	6.2
NNE	.3	.5	.1	.1	.0							1.0	5.4
NE	.5	1.2	.6	.2								2.9	5.6
ENE	2.0	4.3	2.2	.4	.0							9.5	5.5
E	3.4	5.6	2.9	.3								12.2	5.2
ESE	1.0	1.3	.8	.1								3.1	5.1
SE	.2	.3	.1									.6	4.6
SSE	.2	.2	.0									.4	4.2
S	.4	.3	.0	.0								.8	3.8
SSW	.4	.6	.3	.1								1.5	3.7
SW	.5	1.3	1.8	.9	.0	.0		.0				4.6	7.9
WSW	.8	2.7	3.1	3.7	.9	.1	.1					13.5	9.8
W	1.2	3.8	6.5	4.0	1.0	.2	.0					16.8	9.3
WNW	.4	2.1	3.0	1.8	.3	.1	.0					7.7	8.9
NW	.2	.8	1.9	.3	.0							3.3	7.8
NNW	.1	.4	.4	.1								1.0	6.9
VARBL	5.7	1.9	.1	.0								7.7	2.9
CALM												13.7	
	18.2	27.8	26.3	12.1	2.3	.5	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

8236

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (WAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

* Low percentages in visibility column ≥ 10 miles for some months and month-hour groups are due to station reporting a maximum visibility of 7 miles for these observations.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ ½	≥ 1/3	≥ 0
NO CEILING																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500									97.4							98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100					95.4		96.9			98.3						100.0
≥ 0																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 HERTHEIM GERMANY AAF

64-70

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-10	≥¼	≥0
NO CEILING		17.1	19.5	21.4	22.7	23.3	24.5	25.5	25.7	26.5	26.8	26.9	27.1	27.2	27.3	27.3
≥ 20000		20.6	23.4	25.7	27.1	27.9	29.3	30.5	30.7	31.7	32.0	32.1	32.4	32.6	32.6	33.3
≥ 18000		20.6	23.4	25.7	27.1	27.9	29.3	30.5	30.7	31.7	32.0	32.1	32.4	32.6	32.6	33.3
≥ 16000		20.6	23.4	25.7	27.1	27.9	29.3	30.5	30.7	31.7	32.0	32.1	32.4	32.6	32.6	33.3
≥ 14000		20.6	23.4	25.7	27.1	27.9	29.3	30.5	30.7	31.7	32.0	32.2	32.4	32.6	32.7	33.3
≥ 12000		20.7	23.5	25.8	27.3	28.0	29.4	30.6	30.9	31.9	32.2	32.3	32.6	32.8	32.9	33.5
≥ 10000		21.2	24.1	26.5	28.0	28.8	30.2	31.5	31.7	32.8	33.1	33.3	33.5	33.7	33.8	34.5
≥ 9000		22.0	25.0	27.5	29.1	29.8	31.4	32.6	32.9	33.9	34.2	34.4	34.7	34.9	35.0	35.6
≥ 8000		24.1	27.5	30.2	32.0	32.8	34.5	35.9	36.2	37.4	37.7	37.9	38.2	38.5	38.5	39.3
≥ 7000		26.1	29.7	32.7	34.6	35.5	37.4	38.9	39.2	40.5	40.8	41.1	41.4	41.6	41.7	42.4
≥ 6000		27.2	31.0	34.2	36.1	37.0	39.0	40.6	41.0	42.3	42.6	42.9	43.2	43.5	43.5	44.3
≥ 5000		29.2	33.3	36.6	38.8	39.8	41.9	43.6	44.0	45.4	45.8	46.1	46.4	46.7	46.8	47.6
≥ 4500		30.6	34.9	38.3	40.5	41.6	43.9	45.6	46.0	47.5	47.9	48.1	48.5	48.7	48.8	49.7
≥ 4000		32.9	37.5	41.2	43.6	44.7	47.2	49.1	49.6	51.1	51.5	51.8	52.2	52.5	52.6	53.5
≥ 3500		34.7	39.6	43.6	46.1	47.3	49.9	52.0	52.5	54.1	54.5	54.8	55.2	55.5	55.6	56.5
≥ 3000		39.0	44.4	49.0	51.9	53.2	56.1	58.5	58.9	60.8	61.3	61.6	62.0	62.4	62.5	63.4
≥ 2500		41.8	47.6	52.6	55.8	57.2	60.5	63.0	63.5	65.6	66.1	66.5	66.9	67.3	67.4	68.3
≥ 2000		44.3	50.5	55.9	59.4	60.9	64.6	67.4	67.9	70.2	70.7	71.2	71.6	72.0	72.1	73.1
≥ 1800		44.8	51.2	56.6	60.2	61.8	65.5	68.4	69.0	71.3	71.8	72.3	72.7	73.1	73.2	74.2
≥ 1500		46.5	53.1	58.9	62.8	64.6	68.7	71.8	72.5	75.1	75.7	76.3	76.7	77.1	77.2	78.2
≥ 1200		47.7	54.7	60.7	64.9	66.7	71.2	74.6	75.3	78.2	78.8	79.4	79.9	80.3	80.4	81.4
≥ 1000		48.5	55.7	62.0	66.4	68.3	73.1	76.8	77.5	80.8	81.6	82.2	82.8	83.3	83.5	84.4
≥ 900		48.9	56.2	62.6	67.1	69.1	74.0	77.8	78.4	81.7	82.5	83.2	83.8	84.3	84.5	85.4
≥ 800		49.5	57.0	63.6	68.3	70.4	75.5	79.5	80.3	83.7	84.5	85.2	85.8	86.4	86.6	87.5
≥ 700		49.8	57.4	64.2	69.0	71.2	76.5	80.7	81.4	85.0	85.9	86.7	87.3	87.9	88.1	89.1
≥ 600		50.0	57.7	64.5	69.5	71.7	77.2	81.5	82.4	86.1	87.1	87.9	88.7	89.3	89.5	90.5
≥ 500		50.2	57.9	64.8	69.7	72.0	77.6	82.1	83.0	87.1	88.3	89.2	90.2	91.0	91.1	92.2
≥ 400		50.3	58.0	65.0	70.0	72.3	77.9	82.6	83.5	87.9	89.2	90.3	91.5	92.6	92.8	93.8
≥ 300		50.3	58.1	65.0	70.0	72.3	78.0	82.7	83.7	88.3	89.6	90.8	92.2	93.5	93.9	95.2
≥ 200		50.3	58.1	65.0	70.0	72.4	78.0	82.7	83.7	88.3	89.7	90.8	92.3	93.8	94.3	96.6
≥ 100		50.3	58.1	65.0	70.0	72.4	78.0	82.7	83.7	88.3	89.7	90.8	92.3	93.8	94.4	98.2
≥ 0		50.3	58.1	65.0	70.0	72.4	78.0	82.8	83.7	88.3	89.7	90.8	92.3	93.9	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 27972

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		4.9	6.1	7.1	7.9	8.3	10.2	11.4	11.5	12.3	13.3	13.4	13.6	13.7	13.7	13.8
≥ 20000		6.0	7.8	9.1	10.2	10.9	13.2	15.0	15.2	17.2	18.0	18.2	18.4	18.5	18.5	18.9
≥ 18000		6.0	7.8	9.1	10.2	10.9	13.2	15.0	15.2	17.2	18.0	18.2	18.4	18.5	18.5	18.9
≥ 16000		6.0	7.8	9.1	10.2	10.9	13.2	15.0	15.2	17.2	18.0	18.2	18.4	18.5	18.5	18.9
≥ 14000		6.0	7.8	9.1	10.2	10.9	13.2	15.0	15.2	17.2	18.0	18.2	18.4	18.5	18.5	18.9
≥ 12000		6.1	7.8	9.1	10.5	11.1	13.4	15.3	15.3	17.3	18.3	18.5	18.7	18.8	18.8	19.2
≥ 10000		6.3	8.2	9.5	11.0	11.6	13.9	16.0	16.4	18.7	19.6	19.9	20.3	20.4	20.4	20.8
≥ 9000		6.5	8.4	10.0	11.6	12.3	14.6	16.7	17.0	19.3	20.4	20.6	21.1	21.2	21.2	21.6
≥ 8000		7.0	9.5	11.5	13.4	14.1	16.8	19.0	19.3	21.9	22.8	23.1	23.5	23.6	23.6	24.0
≥ 7000		8.5	11.0	13.1	15.1	15.8	18.8	21.2	21.9	24.2	25.1	25.4	25.8	25.9	25.9	26.3
≥ 6000		9.4	12.0	14.4	16.5	17.3	20.4	23.2	23.6	26.3	27.2	27.3	27.9	28.1	28.1	28.5
≥ 5000		10.0	12.8	15.6	17.8	18.7	22.4	25.2	25.6	28.7	29.6	29.9	30.3	30.3	30.5	30.9
≥ 4500		10.4	13.5	16.3	18.6	19.5	23.2	26.0	26.5	29.7	30.6	30.9	31.4	31.6	31.6	32.1
≥ 4000		11.4	14.6	17.7	20.6	21.5	25.3	28.2	28.6	32.0	33.2	33.4	33.9	34.2	34.2	34.6
≥ 3500		12.6	16.2	19.6	22.8	23.9	27.9	31.1	31.7	35.0	36.1	36.4	36.9	37.1	37.1	37.6
≥ 3000		14.5	18.6	22.3	25.9	27.1	31.6	35.3	36.0	39.4	40.6	41.0	41.6	41.9	41.9	42.4
≥ 2500		15.5	19.8	24.1	27.9	29.6	35.0	39.3	40.0	43.7	44.9	45.3	46.0	46.2	46.2	46.7
≥ 2000		18.6	23.2	27.8	32.0	33.9	40.0	44.7	45.4	49.6	50.9	51.6	52.4	52.7	52.7	53.3
≥ 1800		19.0	23.8	28.4	32.8	34.9	41.0	45.7	46.4	50.6	51.9	52.6	53.4	53.7	53.7	54.3
≥ 1500		20.4	25.3	30.3	35.3	37.7	44.3	49.9	50.8	55.9	57.2	58.2	58.9	59.3	59.3	59.9
≥ 1200		21.3	26.7	31.8	37.3	40.1	47.4	54.2	55.2	60.6	62.1	63.3	64.0	64.4	64.4	65.1
≥ 1000		21.9	27.5	32.7	38.6	41.5	49.5	56.7	57.7	63.9	65.8	67.1	68.1	68.6	68.8	69.5
≥ 900		21.9	27.5	32.9	38.8	41.7	50.0	57.3	58.4	64.6	66.5	67.8	68.8	69.4	69.6	70.3
≥ 800		22.4	28.3	33.9	39.9	43.4	52.1	59.8	60.9	67.4	69.3	70.6	71.6	72.3	72.5	73.1
≥ 700		22.5	28.6	34.3	40.6	44.2	53.3	61.3	62.6	69.5	71.5	73.1	74.1	74.9	75.0	75.7
≥ 600		22.5	28.7	34.7	40.9	44.6	53.9	62.3	63.7	70.9	73.1	74.8	75.9	76.7	76.9	77.6
≥ 500		22.6	28.8	34.8	41.1	44.8	54.3	63.2	64.8	73.1	75.7	77.6	79.3	80.8	80.9	81.7
≥ 400		22.7	28.9	34.9	41.2	44.9	54.6	63.9	65.4	74.9	77.6	80.2	82.4	84.9	85.2	86.1
≥ 300		22.7	28.9	34.9	41.2	44.9	54.6	63.9	65.5	75.3	78.3	81.4	84.1	87.5	88.2	89.7
≥ 200		22.7	28.9	34.9	41.2	45.0	54.7	64.0	65.6	75.6	78.6	81.7	84.5	88.3	89.4	93.2
≥ 100		22.7	28.9	34.9	41.2	45.0	54.7	64.0	65.6	75.6	78.6	81.7	84.5	88.4	89.7	97.5
≥ 0		22.7	28.9	34.9	41.2	45.0	54.8	64.0	65.6	75.6	78.6	81.7	84.6	88.5	89.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2219

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY / STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		10.7	13.8	15.4	16.9	17.6	18.8	19.9	20.0	20.9	21.1	21.1	21.2	21.2	21.3	21.4
≥ 20000		14.2	17.9	20.0	21.6	22.7	24.2	25.4	25.6	26.4	26.6	26.7	26.8	26.8	26.9	27.0
≥ 18000		14.2	17.9	20.0	21.6	22.7	24.2	25.4	25.6	26.4	26.6	26.7	26.8	26.8	26.9	27.0
≥ 16000		14.2	17.9	20.0	21.6	22.7	24.2	25.4	25.6	26.4	26.6	26.7	26.8	26.8	26.9	27.0
≥ 14000		14.2	17.9	20.0	21.6	22.7	24.2	25.4	25.6	26.4	26.6	26.7	26.8	26.8	26.9	27.0
≥ 12000		14.2	17.9	20.0	21.6	22.7	24.2	25.4	25.6	26.4	26.6	26.7	26.8	26.8	26.9	27.0
≥ 10000		14.6	18.6	20.8	22.5	23.5	25.1	26.3	26.5	27.3	27.6	27.7	27.8	27.8	27.9	28.1
≥ 9000		14.9	19.0	21.4	23.0	24.1	25.6	26.9	27.1	28.0	28.3	28.4	28.5	28.5	28.6	28.7
≥ 8000		15.9	20.8	23.3	25.0	26.1	27.6	28.9	29.1	30.1	30.5	30.6	30.7	30.7	30.8	31.0
≥ 7000		17.1	22.2	25.1	26.8	27.9	29.4	31.3	31.6	32.8	33.2	33.4	33.5	33.5	33.6	33.9
≥ 6000		17.9	23.3	26.3	28.0	29.0	30.7	32.6	33.0	34.4	34.9	35.0	35.1	35.2	35.3	35.7
≥ 5000		19.6	25.8	28.8	30.8	32.1	34.2	36.3	36.7	38.2	38.7	38.8	38.9	39.0	39.1	39.5
≥ 4500		20.2	26.4	29.6	31.7	33.0	35.2	37.5	37.9	39.4	39.9	40.0	40.1	40.2	40.3	40.7
≥ 4000		21.8	28.6	32.2	34.6	36.2	38.6	41.4	41.8	43.3	43.8	44.0	44.1	44.2	44.3	44.8
≥ 3500		23.9	31.1	35.5	38.0	39.8	42.5	45.4	45.8	47.4	47.9	48.1	48.3	48.3	48.5	48.9
≥ 3000		26.5	34.4	40.0	43.5	45.4	48.7	52.3	52.8	54.7	55.2	55.5	55.7	55.8	56.0	56.5
≥ 2500		28.4	36.2	42.3	46.1	48.0	51.8	55.5	56.1	58.7	59.3	59.6	59.8	60.0	60.1	60.6
≥ 2000		31.0	39.3	45.7	50.1	52.3	56.8	61.1	61.7	64.7	65.5	65.9	66.3	66.4	66.6	67.1
≥ 1800		31.6	40.0	46.5	51.2	53.3	57.8	62.2	62.9	65.9	66.7	67.1	67.5	67.6	67.8	68.3
≥ 1500		33.2	41.7	48.6	53.5	55.7	60.6	65.8	66.6	70.0	71.0	71.6	72.0	72.2	72.3	72.8
≥ 1200		34.5	43.3	50.4	55.6	57.8	63.1	68.6	69.4	73.2	74.3	75.0	75.6	75.8	76.0	76.5
≥ 1000		34.9	43.8	51.3	56.7	59.0	64.6	70.4	71.2	75.7	77.3	78.6	79.4	79.9	80.1	80.6
≥ 900		35.3	44.2	51.8	57.3	59.8	65.6	71.4	72.3	75.9	78.5	79.7	80.7	81.3	81.5	82.0
≥ 800		36.2	45.5	53.4	59.0	61.6	67.6	73.7	74.6	79.3	81.2	82.4	83.7	84.5	84.7	85.2
≥ 700		36.7	46.1	54.3	60.1	62.7	68.9	75.3	76.2	81.0	83.0	84.2	85.6	86.6	86.9	87.4
≥ 600		36.7	46.1	54.3	60.3	63.1	69.4	76.1	77.1	82.1	84.4	85.7	87.2	88.3	88.6	89.1
≥ 500		37.1	46.4	55.0	61.0	63.8	70.1	77.0	78.1	83.4	85.8	87.4	89.8	91.3	91.8	92.4
≥ 400		37.1	46.4	55.0	61.0	63.8	70.2	77.3	78.4	84.2	86.8	88.5	91.1	93.0	93.5	94.2
≥ 300		37.1	46.4	55.0	61.0	63.8	70.2	77.4	78.5	84.3	87.1	89.1	92.0	94.2	94.9	95.6
≥ 200		37.1	46.4	55.0	61.0	63.8	70.2	77.4	78.5	84.4	87.1	89.1	92.2	94.4	95.4	96.5
≥ 100		37.1	46.4	55.0	61.0	63.8	70.2	77.4	78.5	84.4	87.1	89.1	92.2	94.4	95.7	98.2
≥ 0		37.1	46.4	55.0	61.0	63.8	70.2	77.4	78.5	84.4	87.1	89.1	92.2	94.4	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2007

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36076 WERTHEIM GERMANY AAF

65-70

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING		14.9	17.5	20.2	21.8	22.7	23.7	25.7	26.2	26.9	27.3	27.3	27.5	27.6	27.7	28.0
≥ 20000		17.3	20.5	23.6	25.7	26.6	28.1	30.2	30.8	31.7	32.0	32.2	32.5	32.6	32.7	33.0
≥ 18000		17.3	20.5	23.6	25.7	26.6	28.1	30.2	30.8	31.7	32.0	32.2	32.5	32.6	32.7	33.0
≥ 16000		17.3	20.5	23.6	25.7	26.6	28.1	30.2	30.8	31.7	32.0	32.2	32.5	32.6	32.7	33.0
≥ 14000		17.3	20.5	23.6	25.7	26.6	28.1	30.2	30.8	31.7	32.0	32.2	32.5	32.6	32.7	33.0
≥ 12000		17.4	20.6	23.7	25.8	26.7	28.2	30.4	31.0	31.8	32.2	32.3	32.6	32.8	32.8	33.1
≥ 10000		17.5	20.8	24.0	26.1	27.0	28.5	30.7	31.3	32.1	32.5	32.6	32.9	33.1	33.2	33.5
≥ 9000		17.7	21.0	24.2	26.4	27.4	29.0	31.1	31.7	32.6	33.0	33.1	33.4	33.6	33.7	34.0
≥ 8000		18.9	22.3	25.5	27.7	28.7	30.7	32.8	33.5	34.4	34.9	35.0	35.3	35.5	35.6	36.0
≥ 7000		19.9	23.0	27.0	29.3	30.4	32.8	35.0	35.9	36.9	37.3	37.5	37.8	38.0	38.1	38.5
≥ 6000		21.0	24.9	28.5	30.9	32.0	34.6	36.8	37.7	38.7	39.1	39.4	39.7	39.9	40.0	40.5
≥ 5000		22.2	26.3	30.1	32.5	33.7	36.3	38.8	39.6	40.7	41.1	41.5	41.8	42.0	42.1	42.6
≥ 4500		22.9	26.9	30.9	33.4	34.7	37.5	40.1	41.0	42.2	42.6	43.0	43.4	43.5	43.6	44.1
≥ 4000		24.9	29.2	33.8	36.3	37.6	40.5	43.5	44.4	45.6	46.2	46.5	46.9	47.0	47.1	47.6
≥ 3500		26.5	30.9	35.5	38.2	39.8	42.9	46.2	47.0	48.4	48.9	49.3	49.7	49.8	49.9	50.4
≥ 3000		30.2	35.3	41.3	43.9	45.7	49.2	52.8	53.7	55.3	55.9	56.3	56.6	56.8	56.9	57.4
≥ 2500		33.0	38.6	45.2	48.8	50.6	54.9	59.1	60.0	61.8	62.4	62.8	63.2	63.3	63.5	63.9
≥ 2000		35.2	41.4	48.6	52.4	54.3	59.2	63.7	64.8	66.9	67.5	68.0	68.4	68.6	68.7	69.2
≥ 1800		36.8	43.1	50.5	54.3	56.3	61.4	66.0	67.2	69.3	69.8	70.4	70.8	71.0	71.1	71.6
≥ 1500		38.7	45.4	53.6	57.8	60.0	66.2	71.2	72.5	74.8	75.5	76.0	76.4	76.6	76.8	77.2
≥ 1200		41.1	48.4	56.9	61.6	63.8	70.6	76.0	77.2	79.6	80.4	81.0	81.4	81.6	81.7	82.2
≥ 1000		41.9	49.4	58.3	63.0	65.4	72.5	78.5	79.9	82.8	83.7	84.5	84.9	85.1	85.2	85.7
≥ 900		42.3	50.1	59.1	64.0	66.5	73.7	79.6	81.0	84.0	84.9	85.6	86.1	86.3	86.4	86.9
≥ 800		43.1	51.2	60.4	65.7	68.2	75.7	82.3	83.7	86.7	87.7	88.5	89.0	89.2	89.3	89.8
≥ 700		43.6	51.8	61.0	66.4	68.9	76.5	83.3	84.8	87.9	89.0	89.8	90.2	90.5	90.6	91.1
≥ 600		43.8	52.2	61.8	67.2	69.9	77.6	84.5	86.1	90.0	91.3	92.3	92.9	93.1	93.2	93.8
≥ 500		43.9	52.4	61.9	67.4	70.1	77.8	84.9	86.5	90.8	92.3	93.5	94.6	94.8	95.0	95.5
≥ 400		44.1	52.5	62.0	67.5	70.2	78.0	85.2	86.9	91.3	92.9	94.2	95.7	96.3	96.4	97.0
≥ 300		44.1	52.5	62.1	67.6	70.3	78.1	85.3	87.0	91.4	93.1	94.4	96.2	97.1	97.3	98.1
≥ 200		44.1	52.5	62.1	67.6	70.3	78.1	85.3	87.0	91.4	93.1	94.4	96.2	97.2	97.6	99.1
≥ 100		44.1	52.5	62.1	67.6	70.3	78.1	85.3	87.0	91.4	93.1	94.4	96.2	97.3	97.8	99.5
≥ 0		44.1	52.5	62.1	67.6	70.3	78.1	85.3	87.0	91.4	93.1	94.4	96.2	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2338

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.1	≥.1	≥.1	≥.1	≥.1	≥.1
NO CEILING		20.7	22.6	24.6	25.7	26.4	27.2	27.5	27.6	27.9	28.0	28.0	28.0	28.0	28.0	28.2
≥ 20000		25.0	27.4	29.5	30.6	31.4	32.3	32.8	32.9	33.2	33.3	33.3	33.3	33.3	33.3	33.6
≥ 18000		25.0	27.4	29.5	30.6	31.4	32.3	32.8	32.9	33.2	33.3	33.3	33.3	33.3	33.3	33.6
≥ 16000		25.0	27.4	29.5	30.6	31.4	32.3	32.8	32.9	33.2	33.3	33.3	33.3	33.3	33.3	33.6
≥ 14000		25.0	27.4	29.5	30.6	31.4	32.3	32.8	32.9	33.2	33.3	33.3	33.3	33.3	33.3	33.6
≥ 12000		25.0	27.4	29.6	30.7	31.4	32.4	32.9	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.6
≥ 10000		25.5	28.0	30.2	31.3	32.0	33.0	33.5	33.6	33.9	34.0	34.0	34.0	34.0	34.0	34.3
≥ 9000		26.3	28.9	31.3	32.3	33.1	34.2	34.7	34.8	35.1	35.2	35.2	35.2	35.2	35.2	35.5
≥ 8000		28.1	30.9	33.3	34.6	35.4	36.8	37.4	37.6	38.0	38.1	38.1	38.1	38.1	38.1	38.4
≥ 7000		30.5	33.8	36.4	37.8	38.5	40.0	40.8	41.0	41.4	41.5	41.5	41.5	41.6	41.6	41.9
≥ 6000		31.0	34.4	37.0	38.3	39.1	40.7	41.6	41.7	42.2	42.3	42.3	42.4	42.4	42.4	42.7
≥ 5000		32.5	36.1	38.8	40.2	41.2	43.0	44.0	44.2	44.7	44.8	44.8	44.8	44.9	44.9	45.5
≥ 4500		34.4	38.3	41.1	42.6	43.7	45.9	47.0	47.2	47.7	47.8	47.9	48.0	48.2	48.2	49.0
≥ 4000		36.8	40.7	44.1	45.7	46.9	49.0	50.4	50.7	51.3	51.5	51.6	51.7	51.9	51.9	52.8
≥ 3500		39.5	43.7	47.1	48.9	50.0	52.3	53.7	54.0	54.5	54.7	54.8	54.9	55.2	55.2	56.0
≥ 3000		44.7	49.4	53.1	55.2	56.5	59.0	60.6	60.9	61.7	61.9	62.2	62.4	62.6	62.6	63.5
≥ 2500		50.2	55.6	59.7	62.4	63.7	66.8	69.3	69.7	70.7	70.9	71.2	71.4	71.7	71.7	72.6
≥ 2000		54.5	60.1	64.4	67.7	69.2	73.1	76.1	76.5	77.9	78.1	78.6	78.7	79.1	79.1	79.9
≥ 1800		54.8	60.4	64.8	68.2	69.8	73.8	76.8	77.2	78.6	78.8	79.3	79.4	79.8	79.8	80.6
≥ 1500		57.2	63.5	68.4	72.4	74.0	78.3	81.7	82.0	83.6	83.8	84.3	84.4	84.8	84.8	85.7
≥ 1200		58.4	65.3	70.2	74.4	76.0	80.7	84.4	84.7	86.3	86.6	87.2	87.3	87.8	87.8	88.6
≥ 1000		59.6	66.7	72.1	76.5	78.2	83.2	87.3	87.7	89.4	89.9	90.5	90.7	91.1	91.1	92.0
≥ 900		60.1	67.2	72.6	77.1	78.8	83.8	87.9	88.3	90.0	90.4	91.1	91.3	91.7	91.7	92.6
≥ 800		60.7	68.0	73.5	77.9	80.1	85.5	90.0	90.4	92.1	92.5	93.3	93.5	93.9	93.9	94.8
≥ 700		60.9	68.2	74.1	78.6	80.7	86.4	90.9	91.3	93.4	93.8	94.6	94.8	95.2	95.2	96.1
≥ 600		60.9	68.3	74.2	78.8	81.0	86.8	91.4	91.8	94.0	94.4	95.2	95.4	95.8	95.8	96.7
≥ 500		61.1	68.4	74.3	79.1	81.3	87.2	92.0	92.3	94.5	95.1	95.9	96.2	96.6	96.6	97.5
≥ 400		61.2	68.7	74.7	79.6	81.9	87.8	92.7	93.0	95.5	96.0	97.0	97.3	98.0	98.1	99.0
≥ 300		61.2	68.7	74.7	79.6	82.0	87.9	92.7	93.1	95.8	96.3	97.3	97.6	98.3	98.4	99.3
≥ 200		61.2	68.7	74.7	79.6	82.0	87.9	92.7	93.1	95.8	96.3	97.3	97.6	98.3	98.4	99.4
≥ 100		61.2	68.7	74.7	79.6	82.0	87.9	92.7	93.1	95.8	96.3	97.3	97.6	98.3	98.4	99.7
≥ 0		61.2	68.7	74.7	79.6	82.0	87.9	92.7	93.1	95.8	96.3	97.3	97.6	98.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2288

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34C76 WERTHEIM GERMANY AAF

65-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .7	≥ .6	≥ 0
NO CEILING		27.7	30.3	31.4	32.1	32.5	34.1	34.6	34.7	35.0	35.0	35.1	35.1	35.2	35.2	35.4
≥ 20000		34.1	37.1	38.5	39.3	39.8	41.5	42.0	42.1	42.4	42.4	42.5	42.6	42.6	42.6	42.8
≥ 18000		34.1	37.1	38.5	39.3	39.8	41.5	42.0	42.1	42.4	42.4	42.5	42.6	42.6	42.6	42.8
≥ 16000		34.1	37.1	38.5	39.3	39.8	41.5	42.0	42.1	42.4	42.4	42.5	42.6	42.6	42.6	42.8
≥ 14000		34.1	37.1	38.5	39.3	39.8	41.5	42.0	42.1	42.4	42.4	42.5	42.6	42.6	42.6	42.8
≥ 12000		34.1	37.1	38.5	39.3	39.8	41.5	42.0	42.1	42.4	42.4	42.5	42.6	42.6	42.6	42.8
≥ 10000		34.7	37.8	39.2	40.0	40.9	42.2	42.7	42.8	43.2	43.3	43.4	43.4	43.5	43.5	43.7
≥ 9000		36.1	39.2	40.6	41.5	41.9	43.6	44.1	44.2	44.6	44.7	44.8	44.8	44.9	44.9	45.1
≥ 8000		39.4	42.5	44.2	45.3	45.8	47.6	48.2	48.3	48.7	48.8	48.9	49.0	49.1	49.1	49.3
≥ 7000		41.9	45.3	47.5	48.7	49.1	51.1	51.8	51.9	52.4	52.5	52.6	52.6	52.7	52.7	52.9
≥ 6000		42.6	46.2	48.4	49.6	50.1	52.1	52.8	52.9	53.4	53.5	53.6	53.6	53.7	53.7	54.0
≥ 5000		45.3	49.6	52.3	53.7	54.2	56.3	57.0	57.2	57.6	57.8	57.9	58.0	58.1	58.1	58.3
≥ 4500		47.9	52.2	55.1	56.8	57.6	59.9	60.7	60.9	61.3	61.5	61.7	61.7	61.8	61.9	62.2
≥ 4000		50.1	55.0	58.1	59.8	60.6	63.2	64.1	64.4	64.9	65.0	65.3	65.3	65.5	65.6	65.9
≥ 3500		52.9	57.9	61.2	62.9	63.8	66.6	67.6	67.9	68.5	68.6	68.9	68.9	69.1	69.2	69.5
≥ 3000		59.0	64.6	68.0	69.9	70.7	73.5	74.7	74.9	75.3	75.7	75.9	76.0	76.2	76.2	76.6
≥ 2500		62.4	68.6	72.5	74.4	75.3	76.3	79.5	79.7	80.4	80.6	80.8	80.9	81.1	81.2	81.5
≥ 2000		65.9	72.9	77.1	79.1	80.0	83.2	84.4	84.7	85.3	85.5	85.8	85.9	86.1	86.2	86.5
≥ 1800		67.1	74.2	78.6	80.7	81.6	84.8	86.0	86.3	87.0	87.2	87.5	87.6	87.8	87.9	88.2
≥ 1500		69.1	76.8	81.5	83.5	84.4	87.8	89.1	89.4	90.2	90.4	90.7	90.8	91.0	91.1	91.4
≥ 1200		70.0	77.9	82.6	84.7	85.6	89.0	90.4	90.7	91.5	91.7	92.0	92.1	92.3	92.4	92.7
≥ 1000		70.6	78.6	83.5	86.0	86.9	90.3	91.8	92.2	92.9	93.2	93.5	93.6	93.8	93.9	94.2
≥ 900		71.2	79.4	84.3	86.8	87.7	91.2	92.6	93.0	93.8	94.1	94.3	94.4	94.6	94.7	95.0
≥ 800		72.1	80.5	85.6	88.2	89.1	92.5	94.0	94.4	95.2	95.5	95.7	95.8	96.0	96.1	96.5
≥ 700		72.3	80.8	86.2	88.9	89.9	93.3	94.9	95.3	96.1	96.4	96.6	96.7	96.9	97.0	97.4
≥ 600		72.4	80.8	86.3	89.2	90.1	93.6	95.1	95.5	96.3	96.7	96.9	97.0	97.2	97.3	97.6
≥ 500		72.4	80.8	86.3	89.2	90.1	93.7	95.3	95.6	96.6	97.0	97.3	97.4	97.6	97.7	98.1
≥ 400		72.4	80.8	86.3	89.2	90.1	93.7	95.3	95.6	96.8	97.2	97.6	97.7	97.9	98.0	98.4
≥ 300		72.4	80.8	86.3	89.2	90.1	93.8	95.3	95.7	97.3	97.8	98.1	98.3	98.6	98.8	99.2
≥ 200		72.4	80.8	86.3	89.2	90.1	93.8	95.3	95.7	97.5	97.9	98.3	98.5	98.8	99.0	99.6
≥ 100		72.4	80.8	86.3	89.2	90.1	93.8	95.3	95.7	97.5	97.9	98.3	98.5	98.8	99.0	99.8
≥ 0		72.4	80.8	86.3	89.2	90.1	93.8	95.3	95.7	97.5	97.9	98.3	98.5	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2340

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING -FEET-	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING		27.9	30.7	32.5	33.5	34.1	35.3	36.1	36.2	36.5	36.6	36.7	36.7	36.8	36.9	37.4
≥ 20000		34.5	37.9	40.3	41.5	42.3	43.6	44.4	44.5	44.9	44.9	45.0	45.1	45.2	45.2	45.8
≥ 18000		34.5	37.5	40.3	41.5	42.3	43.6	44.4	44.5	44.9	44.9	45.0	45.1	45.2	45.2	45.8
≥ 16000		34.5	37.9	40.3	41.5	42.3	43.6	44.4	44.5	44.9	44.9	45.0	45.1	45.2	45.2	45.8
≥ 14000		34.5	37.9	40.4	41.5	42.4	43.7	44.4	44.6	44.9	45.0	45.1	45.1	45.2	45.3	45.8
≥ 12000		34.6	38.0	40.4	41.6	42.5	43.8	44.6	44.8	45.1	45.1	45.2	45.4	45.5	45.5	46.1
≥ 10000		35.7	39.2	41.7	42.9	43.8	45.1	45.9	46.1	46.4	46.5	46.7	46.7	46.8	46.9	47.4
≥ 9000		36.4	40.0	42.4	43.6	44.5	45.9	46.7	46.9	47.2	47.3	47.4	47.6	47.6	47.7	48.2
≥ 8000		39.9	44.1	47.0	48.6	49.5	51.1	52.1	52.3	52.7	52.8	53.0	53.1	53.3	53.3	53.9
≥ 7000		41.9	46.1	49.4	51.1	52.3	54.0	55.0	55.4	55.8	55.9	56.1	56.2	56.4	56.4	57.0
≥ 6000		44.0	48.2	51.5	53.3	54.4	56.1	57.2	57.6	57.9	58.0	58.3	58.4	58.6	58.6	59.2
≥ 5000		46.4	50.6	54.0	55.8	57.0	58.8	59.9	60.3	60.6	60.8	61.0	61.1	61.3	61.4	61.9
≥ 4500		46.9	51.3	54.9	56.7	58.0	59.7	60.9	61.3	61.7	61.8	62.1	62.2	62.4	62.4	63.0
≥ 4000		49.7	54.3	58.0	59.9	61.2	63.1	64.5	65.0	65.4	65.5	65.8	65.9	66.1	66.1	66.7
≥ 3500		52.6	57.4	61.2	63.1	64.5	66.8	68.2	68.7	69.1	69.3	69.5	69.6	69.8	69.9	70.4
≥ 3000		56.8	62.4	66.3	68.7	70.3	72.6	74.2	74.7	75.3	75.5	75.8	75.9	76.1	76.2	76.7
≥ 2500		60.6	66.6	71.1	73.6	75.2	78.0	79.7	80.3	80.9	81.1	81.5	81.6	81.8	81.8	82.4
≥ 2000		62.9	69.2	74.1	76.8	78.5	81.3	83.1	83.7	84.4	84.8	85.1	85.3	85.5	85.6	86.1
≥ 1800		63.3	69.6	74.5	77.1	79.2	82.3	84.0	84.6	85.4	85.7	86.1	86.2	86.5	86.5	87.1
≥ 1500		65.1	71.7	77.1	79.9	82.2	85.4	87.4	88.1	89.3	89.7	90.1	90.2	90.5	90.6	91.1
≥ 1200		66.3	73.2	79.0	82.1	84.6	88.1	90.1	90.8	92.2	92.6	92.9	93.1	93.4	93.4	94.0
≥ 1000		67.0	74.0	79.8	83.1	85.6	89.1	91.3	92.0	93.5	93.9	94.3	94.4	94.7	94.8	95.3
≥ 900		67.1	74.1	80.1	83.5	86.0	89.6	91.8	92.5	94.0	94.4	94.7	94.9	95.2	95.3	95.8
≥ 800		67.4	74.4	80.5	83.9	86.5	90.1	92.3	93.0	94.6	95.1	95.4	95.6	95.9	96.0	96.6
≥ 700		67.6	74.6	80.7	84.3	86.9	90.6	92.8	93.5	95.2	95.6	96.0	96.2	96.5	96.6	97.2
≥ 600		67.8	74.9	80.9	84.6	87.2	91.0	93.2	93.9	95.6	96.0	96.4	96.6	96.9	96.9	97.5
≥ 500		68.0	75.2	81.3	85.0	87.6	91.5	93.7	94.4	96.2	96.6	97.0	97.2	97.5	97.5	98.1
≥ 400		68.5	75.7	81.8	85.5	88.2	92.2	94.5	95.3	97.1	97.5	97.9	98.1	98.5	98.5	99.1
≥ 300		68.6	75.8	82.0	85.6	88.4	92.5	94.9	95.6	97.4	97.8	98.3	98.5	98.9	98.9	99.6
≥ 200		68.6	75.8	82.0	85.6	88.4	92.5	94.9	95.6	97.4	97.9	98.3	98.5	98.9	98.9	99.6
≥ 100		68.6	75.8	82.0	85.6	88.4	92.5	94.9	95.6	97.4	97.9	98.3	98.5	98.9	98.9	99.7
≥ 0		68.6	75.8	82.0	85.6	88.4	92.5	94.9	95.6	97.4	97.9	98.3	98.5	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2319

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

6570

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
CODES: 13

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING	27.8	30.1	31.7	33.6	34.1	35.4	36.0	36.1	36.8	37.0	37.1	37.2	37.3	37.3	37.5	
≥ 20000	32.6	35.1	36.9	39.1	39.4	40.6	41.4	41.5	42.3	42.5	42.7	42.8	42.8	42.8	43.1	
≥ 18000	32.6	35.1	36.9	39.1	39.4	40.8	41.4	41.5	42.3	42.5	42.7	42.8	42.8	42.8	43.1	
≥ 16000	32.6	35.1	36.9	39.1	39.4	40.8	41.4	41.5	42.3	42.5	42.7	42.8	42.8	42.8	43.1	
≥ 14000	32.6	35.1	36.9	39.1	39.4	40.9	41.5	41.6	42.4	42.6	42.8	42.8	42.9	42.9	43.2	
≥ 12000	32.6	35.1	36.9	39.1	39.4	40.9	41.5	41.6	42.4	42.6	42.8	42.8	42.9	42.9	43.2	
≥ 10000	33.0	35.5	37.5	39.7	40.1	41.7	42.3	42.4	43.2	43.4	43.6	43.7	43.7	43.7	44.1	
≥ 9000	33.9	36.5	38.5	40.7	41.1	42.8	43.4	43.5	44.3	44.5	44.7	44.8	44.9	44.9	45.2	
≥ 8000	37.1	40.1	42.3	44.7	45.1	47.0	47.6	47.7	48.6	48.8	49.1	49.1	49.2	49.2	49.6	
≥ 7000	40.8	44.5	46.7	49.2	49.7	51.5	52.3	52.4	53.3	53.6	53.8	53.9	54.0	54.0	54.4	
≥ 6000	43.1	47.1	49.4	51.9	52.4	54.3	55.0	55.1	56.1	56.3	56.6	56.6	56.7	56.7	57.2	
≥ 5000	48.2	52.5	55.1	57.7	58.1	60.2	60.9	61.1	62.0	62.3	62.5	62.7	62.7	62.7	63.2	
≥ 4500	52.0	56.7	59.3	62.1	62.7	64.9	65.7	65.8	66.8	67.0	67.3	67.4	67.5	67.5	68.0	
≥ 4000	56.4	61.1	63.7	66.6	67.2	69.5	70.4	70.5	71.5	71.8	72.0	72.0	72.3	72.3	72.7	
≥ 3500	59.1	64.2	67.0	70.2	70.8	73.1	74.1	74.2	75.3	75.5	75.8	75.9	76.0	76.0	76.5	
≥ 3000	63.4	69.2	72.3	75.6	76.3	78.6	79.6	79.7	80.7	81.0	81.3	81.4	81.5	81.5	81.9	
≥ 2500	67.4	73.3	76.7	80.4	81.1	83.4	84.5	84.6	85.8	86.0	86.3	86.4	86.5	86.5	87.0	
≥ 2000	69.7	76.0	79.4	83.3	84.0	86.4	87.5	87.6	88.8	89.1	89.3	89.5	89.6	89.6	90.1	
≥ 1800	70.2	76.5	79.9	83.8	84.5	86.9	88.1	88.3	89.5	89.8	90.0	90.2	90.3	90.3	90.8	
≥ 1500	71.9	78.3	81.7	85.9	86.6	89.2	90.4	90.7	92.0	92.2	92.5	92.7	92.8	92.8	93.3	
≥ 1200	72.4	79.0	82.4	86.6	87.3	90.0	91.3	91.6	92.8	93.1	93.4	93.6	93.7	93.7	94.2	
≥ 1000	72.5	79.2	82.8	87.0	87.8	90.7	92.0	92.3	93.8	94.1	94.5	94.6	94.8	94.8	95.3	
≥ 900	72.8	79.5	83.1	87.3	88.1	91.0	92.3	92.6	94.1	94.4	94.8	94.9	95.1	95.1	95.6	
≥ 800	73.0	79.8	83.4	87.7	88.5	91.5	92.9	93.2	94.8	95.1	95.5	95.6	95.9	95.9	96.4	
≥ 700	73.4	80.3	83.9	88.2	89.0	92.0	93.5	93.8	95.4	95.7	96.1	96.3	96.5	96.5	97.0	
≥ 600	73.5	80.4	84.0	88.3	89.1	92.2	93.7	94.0	95.7	96.0	96.4	96.7	96.9	96.9	97.4	
≥ 500	73.5	80.4	84.0	88.4	89.2	92.2	93.7	94.0	95.8	96.2	96.6	96.9	97.3	97.3	97.8	
≥ 400	73.8	80.8	84.7	89.1	89.9	93.0	94.7	95.1	96.6	97.3	97.7	98.1	98.6	98.6	99.1	
≥ 300	73.8	80.8	84.7	89.1	89.9	93.1	94.8	95.2	96.9	97.4	97.9	98.2	98.7	98.8	99.3	
≥ 200	73.8	80.8	84.7	89.1	89.9	93.1	94.8	95.2	96.9	97.4	97.9	98.3	98.8	98.8	99.3	
≥ 100	73.8	80.8	84.7	89.1	89.9	93.1	94.8	95.2	96.9	97.4	97.9	98.3	98.8	98.8	99.7	
≥ 0	73.8	80.8	84.7	89.1	89.9	93.1	94.8	95.2	96.9	97.4	97.9	98.3	98.8	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 2332

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING		24.9	27.6	30.1	31.2	31.6	32.5	33.4	33.7	35.0	35.1	35.2	35.5	35.7	35.8	36.1
≥ 20000		29.5	32.6	35.3	36.5	36.9	37.9	39.2	39.5	40.9	41.1	41.3	41.6	42.0	42.1	42.6
≥ 18000		29.5	32.6	35.3	36.5	36.9	37.9	39.2	39.5	40.9	41.1	41.3	41.6	42.0	42.1	42.6
≥ 16000		29.5	32.6	35.3	36.5	36.9	37.9	39.2	39.5	40.9	41.1	41.3	41.6	42.0	42.1	42.6
≥ 14000		29.5	32.6	35.3	36.5	36.9	37.9	39.2	39.5	40.9	41.1	41.3	41.6	42.0	42.1	42.6
≥ 12000		29.9	33.0	35.3	36.9	37.4	38.4	39.7	40.0	41.4	41.6	41.8	42.1	42.5	42.6	43.1
≥ 10000		31.2	34.5	37.3	38.6	39.1	40.4	41.7	42.0	43.4	43.6	43.8	44.2	44.5	44.6	45.2
≥ 9000		33.3	36.9	39.7	41.2	41.7	43.1	44.4	44.7	46.1	46.3	46.5	46.8	47.2	47.3	47.8
≥ 8000		37.5	41.9	45.1	46.8	47.4	49.0	50.3	50.7	52.2	52.5	52.6	53.1	53.8	53.8	54.5
≥ 7000		39.6	44.2	47.9	49.8	50.4	52.1	53.6	54.0	55.7	55.9	56.2	56.6	57.2	57.3	58.1
≥ 6000		41.1	46.1	49.9	51.9	52.5	54.2	55.8	56.2	57.9	58.1	58.2	58.7	59.4	59.5	60.3
≥ 5000		43.3	48.5	52.3	54.5	55.1	57.1	58.9	59.4	61.2	61.4	61.6	62.1	62.8	62.9	63.7
≥ 4500		45.5	50.9	54.9	57.2	57.8	59.9	61.6	62.2	64.0	64.2	64.3	64.9	65.6	65.7	66.5
≥ 4000		47.9	54.0	58.4	60.9	61.5	63.8	65.7	66.2	68.1	68.3	68.5	69.0	69.8	69.9	70.6
≥ 3500		49.6	56.1	60.7	63.3	63.9	66.3	68.3	69.0	71.3	71.6	71.9	72.5	73.2	73.4	74.1
≥ 3000		55.8	63.1	68.3	71.2	71.7	74.6	76.7	77.4	80.0	80.3	80.5	81.1	81.9	82.0	82.8
≥ 2500		57.1	64.7	70.1	73.1	73.8	76.8	78.9	79.6	82.2	82.5	82.8	83.4	84.2	84.3	85.1
≥ 2000		58.1	65.9	71.7	74.8	75.6	78.7	81.1	81.8	84.5	84.8	85.1	85.7	86.5	86.7	87.4
≥ 1800		58.4	66.4	72.2	75.3	76.1	79.3	81.7	82.3	85.1	85.4	85.7	86.3	87.1	87.2	88.0
≥ 1500		59.6	68.1	74.3	77.4	78.2	81.5	83.9	84.5	87.3	87.5	87.9	88.6	89.4	89.5	90.2
≥ 1200		60.6	68.9	75.2	78.4	79.2	82.4	84.9	85.7	88.8	89.1	89.5	90.1	90.9	91.0	91.8
≥ 1000		61.3	70.0	76.6	79.7	80.5	83.9	86.4	87.1	90.4	90.7	91.2	91.8	92.6	92.7	93.5
≥ 900		61.6	70.4	77.0	80.2	81.0	84.3	86.8	87.5	90.8	91.2	91.6	92.2	93.0	93.2	93.9
≥ 800		61.8	70.6	77.4	80.5	81.4	84.9	87.4	88.1	91.4	91.8	92.2	92.8	93.6	93.8	94.5
≥ 700		62.0	70.8	77.6	80.8	81.6	85.2	87.8	88.5	91.8	92.2	92.6	93.3	94.1	94.2	95.0
≥ 600		62.3	71.2	77.9	81.3	82.1	85.7	88.3	89.1	92.5	92.8	93.2	93.9	94.8	94.9	95.6
≥ 500		62.3	71.2	78.0	81.4	82.2	85.9	88.5	89.2	92.7	93.2	93.6	94.3	95.2	95.3	96.1
≥ 400		62.3	71.3	78.2	81.6	82.4	86.1	88.7	89.4	93.1	93.5	94.1	94.8	95.8	96.0	96.9
≥ 300		62.3	71.3	78.2	81.6	82.5	86.2	88.8	89.6	93.2	94.0	94.6	95.4	96.4	96.6	97.6
≥ 200		62.3	71.3	78.2	81.6	82.5	86.2	88.8	89.6	93.2	94.0	94.6	95.4	96.5	96.7	97.9
≥ 100		62.3	71.3	78.2	81.6	82.5	86.2	88.8	89.6	93.2	94.0	94.6	95.4	96.5	96.7	99.1
≥ 0		62.3	71.3	78.2	81.6	82.5	86.2	88.8	89.6	93.2	94.0	94.6	95.4	96.5	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2385

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	23.3	26.6	29.2	30.4	31.6	33.0	33.9	34.1	35.3	35.6	35.9	36.3	36.8	36.9	38.4
≥ 20000	25.1	29.9	33.1	34.6	36.1	38.0	38.9	39.3	40.6	41.1	41.4	41.8	42.4	42.6	44.3
≥ 18000	26.1	29.9	33.1	34.6	36.1	38.0	38.9	39.3	40.6	41.1	41.4	41.8	42.4	42.6	44.3
≥ 16000	26.1	29.9	33.1	34.6	36.1	38.0	38.9	39.3	40.6	41.1	41.4	41.8	42.4	42.6	44.3
≥ 14000	26.1	29.9	33.1	34.6	36.1	38.0	38.9	39.3	40.6	41.1	41.4	41.8	42.4	42.6	44.3
≥ 12000	26.5	30.3	33.5	35.0	36.5	38.4	39.4	39.7	41.0	41.5	41.8	42.3	42.9	43.0	44.7
≥ 10000	27.1	31.0	34.3	35.8	37.4	39.3	40.4	40.7	42.1	42.6	42.9	43.3	43.9	44.1	45.8
≥ 9000	28.1	32.3	35.7	37.4	38.9	40.9	42.0	42.4	43.7	44.2	44.6	45.0	45.6	45.7	47.4
≥ 8000	30.7	35.4	39.7	41.6	43.2	45.2	46.8	47.1	48.5	49.1	49.6	50.1	50.7	50.9	52.6
≥ 7000	33.4	38.1	42.7	44.7	46.5	48.6	50.3	50.7	52.2	52.8	53.3	53.8	54.4	54.6	56.3
≥ 6000	34.9	39.8	44.6	46.8	48.9	50.9	52.7	53.1	54.6	55.2	55.7	56.2	56.9	57.0	59.0
≥ 5000	37.4	42.5	47.5	49.8	51.8	54.1	55.9	56.3	57.9	58.6	59.1	59.6	60.3	60.4	62.4
≥ 4500	38.9	44.1	49.1	51.4	53.5	55.9	57.8	58.2	59.9	60.5	61.0	61.6	62.2	62.3	64.3
≥ 4000	41.6	47.2	52.5	55.0	57.1	59.9	61.8	62.3	64.0	64.7	65.2	65.9	66.5	66.7	68.6
≥ 3500	42.8	48.7	54.1	56.5	58.8	61.6	63.9	64.4	66.2	66.8	67.4	68.0	68.7	68.8	70.8
≥ 3000	47.7	54.0	60.2	63.0	65.3	68.3	71.0	71.6	73.7	74.3	74.9	75.6	76.3	76.4	78.4
≥ 2500	49.7	56.6	62.9	65.9	68.2	71.4	74.1	74.7	76.9	77.5	78.1	78.9	79.6	79.8	81.8
≥ 2000	51.0	58.4	65.0	68.0	70.5	73.9	76.6	77.4	79.6	80.3	80.9	81.7	82.5	82.6	84.6
≥ 1800	51.6	59.0	65.7	68.7	71.2	74.6	77.4	78.2	80.4	81.1	81.7	82.5	83.3	83.4	85.4
≥ 1500	52.9	60.5	67.3	70.5	73.0	76.3	79.2	80.2	82.5	83.2	83.9	84.7	85.4	85.6	87.6
≥ 1200	53.7	61.3	68.4	71.6	74.1	77.7	80.7	81.6	84.2	84.9	85.6	86.4	87.1	87.3	89.3
≥ 1000	54.1	61.8	68.9	72.2	74.7	78.3	81.4	82.4	85.2	86.0	86.7	87.5	88.3	88.4	90.4
≥ 900	54.3	62.0	69.1	72.3	74.9	78.5	81.7	82.7	85.6	86.4	87.1	87.9	88.6	88.8	90.8
≥ 800	54.4	62.1	69.3	72.6	75.2	78.9	82.1	83.1	86.1	86.9	87.6	88.4	89.2	89.3	91.4
≥ 700	54.4	62.2	69.3	72.8	75.3	79.0	82.3	83.3	86.3	87.1	87.7	88.6	89.4	89.6	91.6
≥ 600	54.4	62.2	69.4	72.8	75.4	79.0	82.3	83.3	86.3	87.1	87.9	88.7	89.6	89.8	91.8
≥ 500	54.4	62.2	69.4	72.8	75.4	79.1	82.5	83.5	86.7	87.6	88.3	89.2	90.1	90.2	92.3
≥ 400	54.6	62.3	69.5	72.9	75.5	79.2	82.8	83.9	87.0	87.9	88.7	89.6	90.5	90.7	92.8
≥ 300	54.6	62.3	69.5	72.9	75.5	79.2	82.8	83.9	87.1	88.0	88.9	89.9	90.9	91.1	93.3
≥ 200	54.6	62.3	69.6	73.0	75.6	79.3	82.8	83.9	87.1	88.1	88.9	90.0	91.0	91.3	94.2
≥ 100	54.6	62.3	69.6	73.0	75.6	79.3	82.8	83.9	87.2	88.1	88.9	90.0	91.1	91.6	96.2
≥ 0	54.6	62.3	69.6	73.0	75.6	79.3	82.8	83.9	87.2	88.1	88.9	90.0	91.1	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2342

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF 65-70 501

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING		12.8	14.7	17.4	18.8	19.9	21.1	23.6	24.1	25.8	26.1	26.5	26.9	27.2	27.4	29.2
≥ 20000		13.4	17.6	20.9	22.6	23.8	25.1	27.8	28.4	30.4	30.7	31.1	31.6	31.9	32.1	34.1
≥ 18000		15.4	17.6	20.9	22.6	23.8	25.1	27.8	28.4	30.4	30.7	31.1	31.6	31.9	32.1	34.1
≥ 16000		15.4	17.6	20.9	22.6	23.8	25.1	27.8	28.4	30.4	30.7	31.1	31.6	31.9	32.1	34.1
≥ 14000		15.4	17.6	20.9	22.6	23.8	25.1	27.8	28.4	30.4	30.7	31.1	31.6	31.9	32.1	34.1
≥ 12000		15.6	17.7	21.2	22.7	23.9	25.3	28.0	28.3	30.5	30.9	31.2	31.7	32.1	32.3	34.3
≥ 10000		16.1	18.4	21.7	23.4	24.7	26.0	28.7	29.3	31.4	31.7	32.2	32.6	33.0	33.2	35.2
≥ 9000		17.1	19.6	23.2	24.9	26.2	27.6	30.5	31.0	33.1	33.4	33.9	34.4	34.7	35.0	37.0
≥ 8000		18.4	20.9	24.7	26.5	27.8	29.2	32.2	32.7	35.1	35.4	36.0	36.5	36.8	37.1	39.2
≥ 7000		20.8	23.8	27.8	29.6	30.9	32.3	35.6	36.1	38.5	38.9	39.4	39.9	40.3	40.5	42.8
≥ 6000		21.8	25.0	29.0	30.9	32.2	33.9	37.0	37.6	40.1	40.5	41.0	41.6	42.0	42.2	44.5
≥ 5000		23.7	27.1	31.3	33.6	35.1	36.9	40.1	40.7	43.2	43.7	44.3	44.8	45.2	45.4	47.9
≥ 4500		25.6	29.1	33.4	35.6	37.1	38.9	42.2	42.7	45.3	45.7	46.3	46.8	47.2	47.5	49.9
≥ 4000		28.5	32.3	36.9	39.3	40.8	42.7	46.1	46.6	49.2	49.7	50.4	51.0	51.4	51.7	54.1
≥ 3500		30.0	34.0	38.8	41.2	42.8	45.0	48.4	49.0	51.7	52.1	52.9	53.5	53.9	54.2	56.7
≥ 3000		34.3	39.0	44.5	47.2	49.1	51.5	55.1	55.6	58.6	59.2	60.2	60.8	61.2	61.5	64.0
≥ 2500		36.1	41.1	47.0	49.9	51.9	54.8	58.5	59.0	62.3	63.0	63.9	64.6	65.0	65.3	67.7
≥ 2000		37.2	42.6	48.5	51.5	53.7	56.5	60.4	60.9	64.3	65.0	65.9	66.6	67.0	67.3	69.7
≥ 1800		37.4	42.9	48.9	52.0	54.1	57.0	60.9	61.4	64.8	65.5	66.5	67.1	67.5	67.8	70.3
≥ 1500		38.4	44.2	50.3	53.7	55.9	58.9	62.8	63.3	67.0	67.6	68.7	69.3	69.7	70.0	72.5
≥ 1200		39.4	45.3	51.5	55.0	57.1	60.3	64.4	65.0	68.7	69.4	70.4	71.0	71.5	71.7	74.2
≥ 1000		40.0	45.9	52.1	55.8	57.9	61.3	65.7	66.3	70.1	71.0	72.1	72.7	73.1	73.4	75.9
≥ 900		40.6	46.6	52.9	56.8	59.0	62.6	67.1	67.6	71.5	72.4	73.5	74.2	74.6	74.8	77.3
≥ 800		41.2	47.4	53.7	57.7	60.1	63.8	68.6	69.2	73.3	74.3	75.4	76.1	76.5	76.8	79.3
≥ 700		41.9	48.2	54.7	58.8	61.3	65.2	69.9	70.6	74.9	75.9	77.2	78.1	78.6	78.9	81.4
≥ 600		42.1	48.5	55.0	59.3	61.7	65.7	70.8	71.7	76.3	77.6	78.8	79.7	80.2	80.5	83.1
≥ 500		42.5	48.9	55.7	59.9	62.4	66.3	71.5	72.8	77.5	78.8	80.1	81.1	81.7	82.0	84.5
≥ 400		42.7	49.1	55.9	60.2	62.6	66.6	72.3	73.2	77.9	79.2	80.9	82.2	83.0	83.3	85.9
≥ 300		42.7	49.1	55.9	60.2	62.6	66.6	72.3	73.2	78.0	79.3	81.1	82.8	84.0	84.4	87.5
≥ 200		42.7	49.1	55.9	60.2	62.6	66.6	72.3	73.2	78.0	79.4	81.1	82.9	84.4	85.0	89.6
≥ 100		42.7	49.1	55.9	60.2	62.6	66.6	72.3	73.2	78.0	79.4	81.1	82.9	84.4	85.0	90.0
0		42.7	49.1	55.9	60.2	62.6	66.6	72.3	73.2	78.0	79.4	81.1	82.9	84.4	85.0	90.0

TOTAL NUMBER OF OBSERVATIONS 2449

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.015	≥ 0.01	≥ 0.005	≥ 0.0025	≥ 0.001
NO CEILING	5.5	7.2	9.2	10.4	11.0	11.5	12.5	12.6	13.2	13.3	13.4	13.6	14.1	14.2	14.5	
≥ 20000	7.0	9.4	11.5	12.7	13.3	14.4	15.2	15.4	16.3	16.4	16.6	16.8	17.2	17.4	18.0	
≥ 18000	7.0	9.4	11.5	12.7	13.3	14.4	15.2	15.4	16.3	16.4	16.6	16.8	17.2	17.4	18.0	
≥ 16000	7.0	9.4	11.5	12.7	13.3	14.4	15.2	15.4	16.3	16.4	16.6	16.8	17.2	17.4	18.0	
≥ 14000	7.0	9.4	11.5	12.7	13.3	14.4	15.2	15.4	16.3	16.4	16.6	16.8	17.2	17.4	18.0	
≥ 12000	7.0	9.4	11.5	12.7	13.4	14.5	15.3	15.5	16.4	16.5	16.6	16.8	17.3	17.5	18.1	
≥ 10000	7.1	9.4	11.6	13.1	13.8	14.9	15.7	15.9	16.8	16.9	17.1	17.4	17.9	18.1	18.6	
≥ 9000	8.0	10.4	12.7	14.2	14.9	16.0	16.3	17.0	17.9	18.1	18.3	18.5	19.0	19.2	19.8	
≥ 8000	9.6	12.4	14.7	16.4	17.2	18.0	19.6	19.9	21.0	21.2	21.5	21.9	22.3	22.6	23.2	
≥ 7000	10.4	13.5	16.1	18.4	19.3	20.9	21.9	22.2	23.4	23.7	23.9	24.3	24.7	24.9	25.7	
≥ 6000	11.4	14.6	17.2	19.7	20.6	22.3	23.4	23.8	25.0	25.3	25.5	25.9	26.4	26.6	27.4	
≥ 5000	12.7	16.2	18.9	21.7	22.6	24.7	25.9	26.2	27.5	27.8	28.1	28.4	28.9	29.1	30.0	
≥ 4500	13.4	16.9	20.0	22.7	23.6	25.7	27.0	27.4	28.6	28.9	29.1	29.5	30.0	30.2	31.1	
≥ 4000	14.9	18.9	22.1	25.2	26.2	28.4	30.0	30.4	31.8	32.2	32.5	33.0	33.5	33.7	34.6	
≥ 3500	15.9	20.1	23.4	26.6	27.8	30.2	31.8	32.2	33.6	34.0	34.3	34.8	35.4	35.6	36.5	
≥ 3000	20.1	24.7	28.4	31.9	33.2	35.9	37.6	38.0	39.5	39.9	40.2	40.6	41.2	41.5	42.3	
≥ 2500	23.7	28.6	32.7	36.5	37.8	40.9	42.6	43.0	44.6	45.0	45.3	45.8	46.4	46.7	47.6	
≥ 2000	26.4	31.5	36.3	40.5	42.0	45.4	47.1	47.5	49.3	49.7	50.0	50.6	51.2	51.5	52.3	
≥ 1800	26.6	31.7	36.6	40.8	42.3	45.8	47.5	47.9	49.7	50.1	50.4	51.0	51.6	51.9	52.8	
≥ 1500	28.7	34.2	39.4	43.9	45.2	50.0	52.0	52.4	54.6	55.0	55.3	56.0	56.6	56.8	57.7	
≥ 1200	30.4	36.2	41.8	47.3	49.2	54.1	56.6	57.1	59.9	60.4	60.8	61.4	62.0	62.3	63.2	
≥ 1000	31.9	38.2	44.4	50.6	52.0	58.7	61.6	62.1	65.2	65.7	66.4	67.0	67.9	68.4	69.3	
≥ 900	33.1	39.6	46.2	52.6	55.2	61.1	64.2	64.8	67.9	68.4	69.0	69.8	70.6	71.1	72.0	
≥ 800	34.2	41.2	48.4	55.0	58.0	64.5	68.1	68.9	72.1	72.6	73.4	74.3	75.2	75.7	76.5	
≥ 700	34.8	42.1	49.5	56.4	59.9	67.0	70.8	71.7	75.2	75.9	76.6	77.5	78.5	78.9	79.9	
≥ 600	35.1	42.6	50.2	57.4	61.0	68.5	72.7	73.7	77.8	78.6	79.5	80.6	81.8	82.3	83.2	
≥ 500	35.4	43.0	50.5	57.8	61.5	69.1	73.6	74.9	79.3	80.3	81.3	82.7	83.9	84.4	85.5	
≥ 400	35.5	43.1	50.6	57.9	61.6	69.2	74.0	75.5	80.5	81.9	83.0	84.7	86.2	86.7	87.9	
≥ 300	35.5	43.1	50.6	57.9	61.7	69.4	74.3	75.8	81.3	83.0	84.2	86.6	88.6	89.4	91.2	
≥ 200	35.5	43.1	50.6	57.9	61.7	69.5	74.3	75.8	81.4	83.0	84.3	86.8	89.3	90.3	94.3	
≥ 100	35.5	43.1	50.6	57.9	61.7	69.5	74.3	75.8	81.4	83.0	84.3	86.8	89.3	90.3	95.6	
≥ 0	35.5	43.1	50.6	57.9	61.7	69.5	74.3	75.8	81.4	83.0	84.3	86.8	89.3	90.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 2470

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAO

CEILING VERSUS VISIBILITY

34076 KERTHEIM GERMANY AAF

64-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 1/4	2 1/2	2 3/4	2 1/2	2 1/4	2 1/2	2 3/4	2 1/2	2 1/4	2 1/2	2 3/4	2 1/2	2 1/4	2 1/2	2 3/4
NO CEILING	4.6	6.9	5.4	9.7	9.7	10.6	11.4	11.5	12.5	12.8	12.8	13.0	13.1	13.1	13.5	
≥ 20000	5.6	8.1	10.1	11.5	11.7	12.8	13.7	13.7	14.9	15.3	15.3	15.5	15.7	15.7	16.3	
≥ 18000	5.6	8.1	10.1	11.5	11.7	12.8	13.7	13.7	14.9	15.3	15.3	15.5	15.7	15.7	16.3	
≥ 16000	5.6	8.1	10.1	11.5	11.7	12.8	13.7	13.7	14.9	15.3	15.3	15.5	15.7	15.7	16.3	
≥ 14000	5.6	8.1	10.1	11.5	11.7	12.8	13.7	13.7	14.9	15.3	15.4	15.8	16.0	16.0	16.6	
≥ 12000	5.7	8.1	10.2	11.6	11.8	12.9	13.8	13.8	14.9	15.4	15.5	15.9	16.1	16.1	16.6	
≥ 10000	5.9	8.3	10.5	12.0	12.2	13.3	14.3	14.3	15.5	15.9	16.0	16.4	16.6	16.6	17.2	
≥ 9000	5.9	8.3	10.5	12.0	12.2	13.5	14.5	14.5	15.7	16.2	16.3	16.7	16.9	16.9	17.4	
≥ 8000	5.9	9.4	11.8	13.5	13.5	15.0	16.1	16.1	17.3	17.8	18.0	18.4	18.6	18.6	19.3	
≥ 7000	7.9	10.5	13.3	15.0	15.3	16.6	18.1	18.1	19.5	20.1	20.2	20.6	20.9	20.9	21.5	
≥ 6000	8.3	11.2	13.9	15.8	16.2	17.7	19.3	19.3	21.1	21.7	21.9	22.3	22.5	22.6	23.3	
≥ 5000	9.0	12.1	15.1	17.5	17.9	19.5	21.3	21.3	23.2	23.5	24.0	24.4	24.6	24.6	25.4	
≥ 4500	9.1	12.3	15.4	17.9	18.3	19.9	21.7	21.7	23.6	24.2	24.4	24.8	25.0	25.1	25.8	
≥ 4000	10.3	13.9	17.4	20.0	20.5	22.3	24.0	24.1	26.4	26.9	27.1	27.5	27.8	27.9	28.6	
≥ 3500	11.2	15.1	19.0	21.9	22.4	24.3	26.2	26.3	28.6	29.2	29.4	29.8	30.0	30.1	30.9	
≥ 3000	14.3	18.3	23.6	27.4	28.0	30.4	32.4	32.6	35.8	36.4	36.7	37.1	37.4	37.5	38.4	
≥ 2500	18.7	21.4	26.5	30.7	31.3	34.0	36.3	36.6	40.2	40.8	41.2	41.6	41.9	42.0	43.1	
≥ 2000	20.4	25.8	31.8	36.6	37.5	40.9	43.6	43.9	48.0	48.8	49.1	49.6	49.9	50.0	51.2	
≥ 1800	21.0	26.6	32.7	37.7	38.7	42.6	45.3	45.8	50.1	50.9	51.2	51.8	52.1	52.2	53.4	
≥ 1500	22.2	28.1	35.0	40.3	41.6	46.3	49.7	50.1	55.7	56.6	57.0	57.8	58.2	58.3	59.6	
≥ 1200	23.9	30.5	38.3	44.6	45.8	51.2	55.0	55.5	61.4	62.4	62.9	63.8	64.3	64.6	65.7	
≥ 1000	25.5	32.7	41.0	47.8	49.3	55.3	59.5	60.0	67.1	68.3	68.9	69.9	70.6	70.8	72.0	
≥ 900	25.9	33.2	41.7	48.6	50.2	56.4	60.7	61.2	68.3	69.7	70.3	71.4	72.2	72.3	73.5	
≥ 800	25.9	34.6	43.2	50.8	52.6	59.1	63.7	64.3	71.6	72.9	73.5	74.6	75.5	75.6	76.9	
≥ 700	27.5	35.2	44.1	51.9	53.7	60.8	65.6	66.3	73.9	75.4	76.1	77.2	78.3	78.4	79.7	
≥ 600	28.4	36.2	45.2	53.0	55.0	62.7	68.0	68.7	75.4	78.1	78.8	80.1	81.2	81.4	82.6	
≥ 500	28.4	36.4	45.5	53.5	55.7	63.7	69.6	70.4	79.5	81.5	82.3	84.1	85.5	85.7	87.0	
≥ 400	28.6	36.5	45.3	53.8	56.0	64.0	70.3	71.0	80.6	83.0	84.1	85.6	86.7	86.9	88.4	
≥ 300	28.6	36.5	45.5	53.8	56.0	64.0	70.4	71.2	80.9	83.3	84.5	87.2	89.9	90.6	92.5	
≥ 200	28.6	36.5	45.8	53.8	56.0	64.0	70.5	71.2	81.0	83.4	84.6	87.4	90.7	91.9	96.7	
≥ 100	28.6	36.5	45.8	53.8	56.0	64.0	70.5	71.2	81.0	83.4	84.6	87.4	90.7	92.1	98.8	
≥ 0	28.6	36.5	45.8	53.8	56.0	64.0	70.5	71.2	81.0	83.4	84.6	87.4	90.7	92.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 2482

USAFETAC

FORM
 12-64

12-14-5 (01 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS, ST.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING		3.8	6.0	7.0	8.2	8.2	9.3	9.9	9.9	10.3	11.9	12.3	13.1	13.3	13.3	13.5
≥ 20000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 18000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 16000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 14000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 12000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 10000		4.2	6.6	7.8	9.3	9.7	12.1	12.7	12.7	13.3	14.7	15.1	16.1	16.3	16.3	16.7
IV 9000		4.2	6.6	8.0	10.1	10.5	12.9	13.5	13.5	14.3	15.3	15.7	16.7	16.9	16.9	17.3
IV 8000		5.0	8.0	9.5	11.9	12.3	15.1	15.7	15.7	16.3	17.3	17.9	18.3	19.3	19.7	20.1
IV 7000		6.0	9.1	10.9	13.5	13.9	17.2	18.3	18.3	19.5	20.9	21.3	22.5	22.7	22.7	23.1
IV 6000		6.6	9.7	11.7	14.5	14.9	18.3	19.3	19.3	20.9	22.3	22.7	23.9	24.1	24.1	24.5
IV 5000		7.4	10.5	12.7	15.7	15.5	20.3	21.5	21.5	23.1	24.5	24.9	26.0	26.2	26.2	26.6
IV 4500		7.6	10.7	12.9	15.9	16.7	20.7	21.7	21.7	23.3	24.7	25.0	26.2	26.6	26.6	27.0
IV 4000		9.9	13.1	15.5	19.1	19.9	24.3	25.4	25.6	27.2	29.0	29.4	30.6	31.0	31.0	31.4
IV 3500		10.9	14.3	16.7	20.7	21.5	26.2	27.8	28.0	29.6	31.4	31.8	33.0	33.4	33.4	33.8
IV 3000		12.1	16.3	18.9	23.7	24.5	29.4	31.2	31.4	33.6	35.6	36.0	37.2	37.8	37.8	38.2
IV 2500		13.5	17.9	21.1	26.0	27.6	33.4	35.6	36.0	38.4	40.4	41.0	42.1	42.7	42.7	43.1
IV 2000		14.7	19.7	22.9	28.4	30.0	36.8	39.8	40.2	43.3	45.3	46.5	48.1	48.7	48.7	49.3
IV 1800		15.1	20.7	23.9	29.4	31.0	37.8	40.8	41.2	44.3	46.3	47.5	49.1	49.7	49.7	50.3
IV 1500		15.9	21.7	25.6	32.4	34.2	41.6	46.3	47.1	52.5	54.5	55.7	57.3	57.9	57.9	58.4
IV 1200		15.9	21.7	25.8	33.6	35.4	44.3	50.1	51.1	56.9	58.8	60.8	62.4	63.4	63.4	64.0
IV 1000		16.3	22.1	26.2	34.8	36.8	47.7	53.9	54.9	62.0	64.0	66.4	68.0	69.0	69.0	69.6
IV 900		16.3	22.1	26.2	34.8	36.8	47.7	54.1	55.1	62.2	64.2	66.6	68.2	69.2	69.2	69.8
IV 800		16.9	23.3	27.4	36.2	38.8	50.3	57.3	58.3	65.4	67.4	69.8	71.4	72.4	72.4	73.0
IV 700		16.9	23.3	27.4	36.2	39.4	51.7	58.6	60.0	67.4	69.4	72.0	73.6	74.6	74.6	75.1
IV 600		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.0	73.8	75.3	76.3	76.3	76.9
IV 500		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.0	74.6	76.1	77.9	77.9	78.5
IV 400		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.2	75.7	78.3	81.3	81.7	82.3
IV 300		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.2	76.1	79.1	83.3	84.9	85.9
IV 200		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.2	76.1	79.1	83.7	85.3	89.9
IV 100		16.9	23.3	27.4	36.2	39.6	51.9	58.8	60.6	68.6	71.2	76.1	79.1	84.1	88.9	95.6
IV 0		16.9	23.3	27.4	36.2	39.6	52.1	59.0	60.8	68.8	71.4	76.3	79.3	84.3	86.1	100.0

TOTAL NUMBER OF OBSERVATIONS 503

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

62-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		3.7	4.7	5.9	6.4	6.4	8.4	10.0	10.0	12.1	12.9	12.9	12.9	13.1	13.1	13.3
IV 20000		3.1	6.1	7.4	8.2	8.2	10.4	12.3	12.3	14.8	15.6	15.6	15.6	15.8	15.8	16.4
IV 18000		5.1	6.1	7.4	8.2	8.2	10.4	12.3	12.3	14.8	15.6	15.6	15.6	15.8	15.8	16.4
IV 16000		5.1	6.1	7.4	8.2	8.2	10.4	12.3	12.3	14.8	15.6	15.6	15.6	15.8	15.8	16.4
IV 14000		5.1	6.1	7.4	8.2	8.2	10.4	12.3	12.3	14.8	15.6	15.6	15.6	15.8	15.8	16.4
IV 12000		5.5	6.4	7.8	8.6	8.6	10.7	12.7	12.7	15.2	16.0	16.0	16.0	16.2	16.2	16.8
IV 10000		5.5	6.6	8.0	8.8	8.8	10.9	12.9	13.1	15.8	16.6	16.6	17.2	17.4	17.4	18.0
IV 9000		5.7	6.8	8.2	9.2	9.2	11.3	13.3	13.3	16.4	17.2	17.2	17.8	18.0	18.0	18.6
IV 8000		6.4	8.2	9.6	11.5	11.5	14.6	16.8	17.0	19.9	20.7	20.7	21.3	21.5	21.5	22.1
IV 7000		8.0	9.8	11.1	13.1	13.1	17.0	19.3	19.3	22.3	23.2	23.2	23.8	24.0	24.0	24.6
IV 6000		8.4	10.3	12.7	14.6	14.6	18.6	21.3	21.3	24.4	25.2	25.2	25.8	26.2	26.2	26.8
IV 5000		9.0	11.9	14.1	16.0	16.0	20.3	23.0	23.2	26.4	27.1	27.1	27.7	28.1	28.1	28.7
IV 4500		9.6	12.7	14.8	16.8	16.8	21.1	23.8	24.0	27.1	27.9	27.9	28.7	29.3	29.3	30.1
IV 4000		10.2	13.3	15.8	18.8	18.8	23.0	25.8	26.0	29.5	30.3	30.3	31.1	31.6	31.6	32.4
IV 3500		11.1	14.6	17.8	20.7	20.7	25.2	28.7	28.9	32.4	33.2	33.2	34.2	34.8	34.8	35.7
IV 3000		12.7	16.6	20.1	23.6	24.2	30.1	33.6	33.8	37.5	38.3	38.3	39.5	40.0	40.0	41.0
IV 2500		14.5	18.4	22.7	26.4	27.0	33.0	37.3	37.5	41.2	42.0	42.2	43.2	43.8	43.8	44.7
IV 2000		16.2	20.5	25.2	29.1	29.7	36.7	41.0	41.2	45.1	46.9	47.5	48.6	49.2	49.2	50.4
IV 1800		16.2	21.1	25.8	29.7	30.3	37.3	41.6	41.8	45.7	47.5	48.0	49.2	49.8	49.8	51.2
IV 1500		18.2	23.2	28.3	32.6	33.8	41.6	46.9	47.3	53.1	54.1	54.7	55.9	56.4	56.4	57.8
IV 1200		18.4	23.6	28.7	33.4	35.0	43.6	50.0	50.4	56.3	57.8	58.8	60.0	60.5	60.5	61.9
IV 1000		19.1	24.6	29.7	35.0	36.7	45.9	52.7	53.3	60.0	61.9	62.9	64.5	65.2	65.6	67.0
IV 900		19.1	24.6	29.9	35.4	37.1	46.3	53.3	53.9	60.5	62.5	63.7	65.2	66.2	66.6	68.0
IV 800		19.7	25.8	31.3	36.7	39.3	48.8	56.6	57.2	64.3	66.2	67.4	68.9	70.1	70.5	71.9
IV 700		20.1	26.2	31.8	37.5	40.2	49.6	57.4	58.0	65.6	67.8	68.9	70.5	71.9	72.3	73.6
IV 600		20.1	26.2	32.0	37.7	40.4	49.8	57.8	58.6	66.2	68.9	70.5	72.5	73.8	74.2	75.6
IV 500		20.1	26.2	32.0	37.7	40.4	49.8	58.0	59.2	68.0	70.7	72.3	75.2	77.5	77.9	79.7
IV 400		20.3	26.4	32.2	38.1	40.8	50.4	58.6	59.8	69.9	72.7	74.6	77.7	80.3	80.7	82.8
IV 300		20.3	26.4	32.2	38.1	40.8	50.4	58.6	59.8	70.3	73.6	76.2	79.7	83.0	83.8	86.5
IV 200		20.3	26.4	32.2	38.1	40.8	50.4	58.6	59.8	70.3	73.6	76.2	79.7	83.6	85.5	92.2
IV 100		20.3	26.4	32.2	38.1	40.8	50.4	58.6	59.8	70.3	73.6	76.2	79.7	83.6	85.9	97.3
IV 0		20.3	26.4	32.2	38.1	40.8	50.4	58.6	59.8	70.3	73.6	76.2	79.7	83.6	85.9	100.0

TOTAL NUMBER OF OBSERVATIONS 512

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

63-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0	
NO CEILING		4.4	5.0	5.8	6.5	7.1	9.5	11.1	11.3	12.1	12.1	12.1	12.1	12.1	12.1	12.1
≥ 20000		6.0	7.7	8.9	9.9	10.5	12.9	15.3	15.9	17.7	18.5	18.7	18.9	18.8	18.8	19.0
IV 18000		6.0	7.7	8.9	9.9	10.5	12.9	15.3	15.9	17.7	18.5	18.7	18.8	18.8	18.8	19.0
IV 16000		6.0	7.7	8.9	9.9	10.5	12.9	15.3	15.9	17.7	18.5	18.7	18.8	18.8	18.8	19.0
IV 14000		6.0	7.7	8.9	9.9	10.5	12.9	15.3	15.9	17.7	18.5	18.7	18.8	18.8	18.8	19.0
IV 12000		6.0	7.7	8.9	9.9	10.5	12.9	15.3	15.9	17.7	18.5	18.7	18.8	18.8	18.8	19.0
IV 10000		6.5	8.5	9.9	11.1	11.7	14.3	17.7	18.3	20.6	21.4	21.6	21.8	21.8	21.8	22.0
IV 9000		6.5	8.5	10.5	11.9	12.9	15.1	18.5	19.0	21.4	22.2	22.4	22.6	22.6	22.6	22.8
IV 8000		7.1	9.7	12.3	14.1	14.7	17.3	21.0	21.6	24.0	24.8	25.0	25.2	25.2	25.2	25.4
IV 7000		8.7	11.3	13.9	15.7	16.3	19.2	23.0	23.6	25.0	26.8	27.0	27.2	27.2	27.2	27.4
IV 6000		10.1	12.7	15.5	17.5	18.3	21.4	26.0	26.6	29.0	29.8	30.0	30.2	30.2	30.2	30.4
IV 5000		10.3	13.1	16.1	18.3	19.4	23.0	27.6	28.2	31.2	31.9	32.1	32.3	32.3	32.3	32.5
IV 4500		11.1	14.1	17.3	19.4	20.6	24.2	28.8	29.6	32.7	33.5	33.7	33.9	33.9	33.9	34.1
IV 4000		11.3	14.3	17.9	20.0	21.4	25.0	29.6	30.4	33.5	34.2	34.3	34.7	34.7	34.7	34.9
IV 3500		12.5	15.9	19.6	22.2	23.6	27.6	32.5	33.3	36.5	37.3	37.5	37.7	37.7	37.7	37.9
IV 3000		13.5	17.4	23.6	26.2	27.6	31.9	37.9	38.7	42.1	42.9	43.1	43.3	43.3	43.3	43.5
IV 2500		16.5	20.4	25.6	28.2	30.0	35.3	41.9	42.7	46.0	46.8	47.0	47.2	47.2	47.2	47.4
IV 2000		19.6	24.0	29.8	32.7	34.9	40.9	47.6	48.4	52.2	53.4	53.6	53.8	53.8	53.8	54.0
IV 1800		20.4	24.8	30.6	33.7	35.9	41.9	48.6	49.6	53.2	54.4	54.6	54.8	54.8	54.8	55.0
IV 1500		22.4	27.0	33.1	37.1	39.3	45.4	53.2	54.4	58.7	59.9	60.3	60.5	60.5	60.5	60.9
IV 1200		24.0	29.4	35.7	39.9	42.3	48.4	57.1	58.3	62.9	64.1	64.5	64.7	64.7	64.7	65.1
IV 1000		24.8	30.6	37.1	41.5	43.8	50.0	59.1	60.3	65.7	67.9	68.3	68.7	68.8	69.0	69.4
IV 900		25.0	30.6	37.3	41.7	44.2	50.4	59.5	60.7	66.1	68.3	68.7	69.0	69.2	69.4	69.8
IV 800		25.4	31.2	38.3	42.9	45.8	52.2	61.3	62.5	68.3	70.4	70.8	71.2	71.4	71.6	72.0
IV 700		25.8	31.9	39.3	44.0	47.0	53.8	63.5	64.7	70.6	72.8	73.4	73.8	74.2	74.4	74.8
IV 600		25.8	31.9	39.5	44.2	47.2	54.2	64.5	65.7	72.0	74.2	74.8	75.2	75.8	76.0	76.4
IV 500		25.8	31.9	39.5	44.4	47.4	55.0	66.5	67.7	75.6	78.2	79.0	79.8	81.2	81.5	81.7
IV 400		26.0	32.1	39.7	44.6	47.6	55.4	68.1	69.2	78.8	81.5	82.5	83.5	86.3	86.5	86.9
IV 300		26.0	32.1	39.7	44.6	47.6	55.6	68.3	69.4	79.8	82.9	84.5	85.9	89.7	90.1	91.9
IV 200		26.0	32.1	39.7	44.6	47.6	55.6	68.3	69.4	80.0	83.1	84.7	86.1	90.1	90.7	94.0
IV 100		26.0	32.1	39.7	44.6	47.6	55.6	68.3	69.4	80.0	83.1	84.7	86.1	90.1	90.9	98.2
IV 0		26.0	32.1	39.7	44.6	47.6	55.6	68.3	69.4	80.0	83.1	84.7	86.1	90.1	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS. 504

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 STATION WERTHEIM GERMANY AAF STATION NAME 6570 YEARS JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING		6.7	7.3	8.4	9.0	9.8	11.8	12.8	13.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1
≥ 20000		7.7	9.2	10.8	11.8	13.0	15.5	17.7	17.9	20.0	20.6	20.6	20.6	20.6	20.6	20.8
≥ 18000		7.7	9.2	10.8	11.8	13.0	15.5	17.7	17.9	20.0	20.6	20.6	20.6	20.6	20.6	20.8
≥ 16000		7.7	9.2	10.8	11.8	13.0	15.5	17.7	17.9	20.0	20.6	20.6	20.6	20.6	20.6	20.8
≥ 14000		7.7	9.2	10.8	11.8	13.0	15.5	17.7	17.9	20.0	20.6	20.6	20.6	20.6	20.6	20.8
≥ 12000		7.7	9.2	10.8	12.2	13.4	15.9	18.1	18.3	20.4	21.0	21.0	21.0	21.0	21.0	21.2
≥ 10000		7.7	9.6	11.2	12.6	13.8	16.3	18.7	18.9	21.8	22.8	23.0	23.0	23.0	23.0	23.2
≥ 9000		8.4	10.4	12.4	13.8	15.1	17.9	20.0	20.2	23.0	24.0	24.2	24.2	24.2	24.2	24.6
≥ 8000		8.4	10.8	13.4	14.9	16.1	18.9	21.0	21.2	24.4	25.5	25.7	25.7	25.7	25.7	26.1
≥ 7000		10.2	12.6	15.3	16.7	17.9	20.4	22.8	23.0	26.3	27.3	27.5	27.5	27.5	27.5	27.9
≥ 6000		11.6	14.1	17.1	18.5	19.8	22.4	25.5	25.7	28.9	29.9	30.1	30.1	30.1	30.1	30.5
≥ 5000		12.4	14.9	18.9	20.6	21.8	24.8	27.9	28.1	32.0	33.0	33.2	33.2	33.2	33.2	33.6
≥ 4500		12.8	15.3	19.6	21.4	22.6	25.7	28.7	29.3	33.4	34.4	34.6	34.6	34.6	34.6	35.0
≥ 4000		14.3	15.9	21.2	23.8	25.1	28.1	31.2	31.8	35.8	36.9	37.1	37.1	37.1	37.1	37.5
≥ 3500		15.9	18.9	23.6	26.7	28.3	31.4	34.4	35.0	39.1	40.1	40.3	40.3	40.3	40.3	40.7
≥ 3000		17.7	21.4	26.3	29.3	31.2	34.4	38.1	38.7	42.8	44.0	44.2	44.2	44.2	44.2	44.6
≥ 2500		17.9	21.8	27.1	30.8	32.8	37.3	41.5	42.2	47.0	48.3	48.7	48.7	48.7	48.7	49.1
≥ 2000		23.6	27.3	32.8	37.2	39.9	45.0	49.5	50.1	55.2	56.6	56.8	56.8	57.0	57.0	57.4
≥ 1800		24.2	28.1	33.4	37.9	40.9	46.2	50.7	51.3	56.4	57.6	58.0	58.0	58.2	58.2	58.7
≥ 1500		25.3	29.1	34.4	39.5	42.8	48.3	53.2	53.8	58.9	60.1	61.2	61.3	61.5	61.5	61.9
≥ 1200		26.9	31.4	36.9	42.4	46.2	52.1	58.9	59.5	65.0	66.2	67.4	67.4	67.6	67.6	68.0
≥ 1000		27.5	32.2	37.9	43.4	47.5	54.0	60.7	61.5	67.4	69.0	70.3	70.9	71.1	71.3	71.7
≥ 900		27.8	32.2	37.9	43.4	47.5	54.2	61.1	61.9	67.8	69.5	70.7	71.2	71.5	71.7	72.1
≥ 800		27.7	32.6	38.9	44.4	48.7	55.4	62.3	63.4	70.3	72.1	73.3	73.9	74.1	74.3	74.7
≥ 700		27.7	32.8	39.3	45.2	49.5	57.6	63.6	66.6	73.1	74.9	76.6	77.2	77.4	77.6	78.0
≥ 600		27.7	33.2	39.9	45.8	50.1	58.9	67.0	68.4	74.7	76.6	78.2	78.8	79.0	79.2	79.6
≥ 500		28.1	33.6	40.3	46.2	50.9	60.1	69.0	70.3	78.2	80.7	82.5	84.1	84.3	84.5	85.1
≥ 400		28.1	33.6	40.3	46.2	50.9	60.1	69.7	70.8	80.7	83.1	86.2	88.4	89.2	89.4	90.0
≥ 300		28.1	33.6	40.3	46.2	50.9	60.1	69.7	70.8	80.7	83.1	86.2	88.4	89.2	89.4	90.0
≥ 200		28.1	33.6	40.3	46.2	51.3	60.5	70.1	71.3	81.9	84.3	88.0	91.2	93.5	93.9	95.7
≥ 100		28.1	33.6	40.3	46.2	51.3	60.5	70.1	71.3	81.9	84.3	88.0	91.2	93.5	93.9	95.7
≥ 0		28.1	33.6	40.3	46.2	51.3	60.5	70.1	71.3	81.9	84.3	88.0	91.2	93.5	93.9	95.7

TOTAL NUMBER OF OBSERVATIONS 491

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-67, 69-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		7.7	9.6	10.5	11.5	12.4	13.9	15.3	15.8	16.7	18.7	19.1	19.1	19.1	19.1	19.1
≥ 20000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 18000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 16000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 14000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 12000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 10000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 8000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 7000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 6000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 5000		9.1	11.5	12.4	14.4	16.3	17.7	19.6	20.6	24.4	24.4	24.9	24.9	24.9	24.9	25.4
≥ 4500		10.0	12.9	14.4	16.7	18.7	20.1	22.5	23.9	28.2	28.7	29.7	29.7	29.7	29.7	30.1
≥ 4000		11.0	14.4	15.8	18.7	20.6	22.0	24.4	25.8	30.1	30.6	31.6	31.6	31.6	31.6	32.1
≥ 3500		11.5	14.8	16.3	19.1	21.1	22.5	24.9	26.8	31.1	31.6	32.5	32.5	32.5	32.5	33.0
≥ 3000		12.0	15.3	17.2	20.1	22.0	24.9	27.3	29.7	34.0	34.4	35.4	35.4	35.4	35.4	35.9
≥ 2500		12.0	16.3	18.2	21.1	23.0	25.8	28.2	30.6	35.4	35.9	36.8	36.8	36.8	36.8	37.3
≥ 2000		12.0	17.2	19.1	22.5	24.4	27.3	30.1	32.5	37.3	38.8	39.7	39.7	39.7	39.7	40.2
≥ 1800		12.9	19.1	21.1	25.8	27.8	30.6	33.5	35.9	40.7	42.1	43.1	43.1	43.1	43.1	43.5
≥ 1500		14.4	20.6	23.4	28.2	30.1	33.5	36.8	39.2	44.0	45.5	46.4	46.4	46.4	46.4	47.8
≥ 1200		15.3	21.5	24.4	29.2	32.5	37.3	41.6	44.0	48.8	50.2	51.7	52.6	52.6	52.6	53.1
≥ 1000		19.6	25.8	29.2	34.0	37.3	43.1	46.9	49.3	54.1	55.5	56.9	57.9	57.9	57.9	58.4
≥ 900		19.6	25.8	29.2	34.0	38.8	43.5	48.3	50.7	55.5	56.9	58.4	59.3	59.3	59.3	59.8
≥ 800		20.1	26.3	29.7	34.9	40.2	45.5	50.2	52.6	57.4	58.9	60.3	61.2	61.2	61.2	61.7
≥ 700		22.0	28.7	32.1	37.3	44.0	49.8	56.5	58.9	64.6	66.0	67.5	69.4	69.4	69.4	69.9
≥ 600		22.0	29.7	33.0	38.3	45.0	51.2	57.9	60.3	66.0	67.5	68.9	69.9	69.9	69.9	70.3
≥ 500		22.0	29.7	33.5	38.8	45.5	51.6	60.8	63.2	68.9	70.3	71.8	72.7	72.7	72.7	74.2
≥ 400		22.0	29.7	33.5	38.8	45.5	51.6	61.7	64.6	70.3	71.8	73.2	74.2	74.2	74.2	75.6
≥ 300		22.0	29.7	33.5	39.2	45.9	54.5	62.2	65.6	72.7	74.6	76.6	77.5	78.5	78.5	78.9
≥ 200		22.0	29.7	34.9	40.7	47.4	56.5	65.1	68.4	76.1	78.0	79.9	80.9	81.8	81.8	82.3
≥ 100		22.0	29.7	34.9	40.7	47.4	56.5	65.1	68.9	79.9	83.7	86.1	89.3	93.8	93.8	94.3
≥ 0		22.0	29.7	34.9	40.7	47.4	56.5	65.1	68.9	79.9	83.7	86.1	90.0	94.7	95.2	96.2
		22.0	29.7	34.9	40.7	47.4	56.5	65.1	68.9	79.9	83.7	86.1	90.0	94.7	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 209

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0	≥ 0
NO CEILING		8.9	13.1	16.3	18.3	19.0	20.5	21.6	22.0	23.5	24.0	24.2	24.4	24.4	24.4	24.6
IV 20000		10.2	15.0	18.3	20.3	21.4	23.5	24.8	25.5	27.0	27.5	27.7	27.9	27.9	27.9	28.1
IV 18000		10.2	15.0	18.3	20.3	21.4	23.5	24.8	25.5	27.0	27.5	27.7	27.9	27.9	27.9	28.1
IV 16000		10.2	15.0	18.3	20.3	21.4	23.5	24.8	25.5	27.0	27.5	27.7	27.9	27.9	27.9	28.1
IV 14000		10.2	15.0	18.3	20.3	21.4	23.5	24.8	25.5	27.0	27.5	27.7	27.9	27.9	27.9	28.1
IV 12000		10.2	15.0	18.3	20.3	21.4	23.5	24.8	25.5	27.0	27.5	27.7	27.9	27.9	27.9	28.1
IV 10000		10.5	15.3	18.7	20.7	21.8	24.0	25.3	25.9	27.5	27.9	28.1	28.3	28.3	28.3	28.5
IV 9000		10.9	15.7	19.6	21.6	22.7	24.8	26.1	26.8	28.3	28.8	29.2	29.4	29.4	29.4	29.6
IV 8000		12.6	17.9	21.8	23.7	24.8	27.0	28.3	29.0	30.5	30.9	31.4	31.6	31.6	31.6	31.8
IV 7000		14.2	19.4	24.0	25.9	27.0	29.2	30.9	31.6	33.1	33.6	34.2	34.4	34.4	34.4	34.9
IV 6000		14.4	20.0	24.8	26.8	27.9	30.1	31.8	32.5	34.4	34.9	35.5	35.7	35.9	35.9	36.4
IV 5000		16.3	22.2	27.2	29.2	30.3	32.5	34.2	34.9	37.0	37.5	38.1	38.3	38.6	38.6	39.0
IV 4500		16.8	22.7	27.7	29.6	30.7	32.9	34.6	35.3	37.5	37.9	38.6	38.8	39.0	39.0	39.4
IV 4000		17.4	25.9	31.6	34.0	35.1	37.7	39.9	40.5	42.7	43.1	43.8	44.0	44.2	44.2	45.1
IV 3500		21.4	28.1	34.9	37.5	38.6	41.6	44.2	44.9	47.3	47.7	48.4	48.6	48.8	48.8	49.7
IV 3000		23.5	30.9	39.0	42.5	43.6	47.1	50.8	51.4	54.5	55.1	55.8	56.2	56.4	56.4	57.3
IV 2500		24.6	32.0	41.0	44.4	45.5	49.9	53.6	54.5	58.8	59.5	60.1	60.6	60.8	60.8	61.7
IV 2000		26.8	34.4	44.0	47.9	49.0	53.8	58.0	58.8	63.6	64.3	65.1	65.8	66.0	66.0	66.9
IV 1800		26.8	34.4	44.2	48.8	49.9	54.7	59.3	60.1	64.9	65.6	66.4	67.1	67.3	67.3	68.2
IV 1500		27.7	35.5	46.2	51.0	52.1	57.3	62.7	63.8	69.3	70.4	71.7	72.5	72.8	72.8	73.6
IV 1200		27.9	35.7	46.6	52.3	53.4	58.6	64.3	65.6	71.5	72.5	73.9	74.9	75.2	75.2	76.0
IV 1000		27.9	35.7	47.3	53.2	54.2	59.5	65.4	66.7	73.6	74.9	76.9	78.0	78.9	78.9	79.7
IV 900		28.5	36.4	48.4	54.2	55.3	60.8	66.7	68.0	74.9	76.3	78.2	79.3	80.2	80.2	81.0
IV 800		29.4	37.3	49.7	56.0	57.3	63.0	69.3	70.8	78.0	79.7	81.7	82.8	83.7	83.7	84.5
IV 700		29.4	37.5	49.9	56.6	58.2	63.8	70.2	71.7	78.9	80.8	83.0	84.1	85.2	85.2	86.1
IV 600		29.4	37.5	49.9	56.6	58.2	63.8	70.2	71.7	79.1	81.0	83.2	84.5	85.8	85.8	86.7
IV 500		30.1	38.1	51.0	57.7	59.3	64.9	71.2	72.8	80.4	82.4	84.7	86.7	88.2	88.5	89.5
IV 400		30.1	38.1	51.0	57.7	59.3	65.1	71.7	73.2	81.5	83.7	86.1	88.0	90.4	90.8	91.9
IV 300		30.1	38.1	51.0	57.7	59.3	65.1	71.7	73.2	81.5	83.7	86.5	88.5	90.8	91.5	92.8
IV 200		30.1	38.1	51.0	57.7	59.3	65.1	71.7	73.2	81.5	83.7	86.5	88.5	90.8	92.2	94.6
IV 100		30.1	38.1	51.0	57.7	59.3	65.1	71.7	73.2	81.5	83.7	86.5	88.5	90.8	92.2	95.9
IV 0		30.1	38.1	51.0	57.7	59.3	65.1	71.7	73.2	81.5	83.7	86.5	88.5	90.8	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 459

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076

WERTHEIM GERMANY AAF

65-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		7.4	11.7	13.0	14.5	15.8	16.3	17.8	18.0	19.7	20.2	20.2	20.4	20.4	20.6	20.6
≥ 20000		9.3	14.1	15.4	16.9	17.4	18.7	20.6	20.8	22.6	23.0	23.0	23.2	23.2	23.6	23.9
≥ 18000		9.3	14.1	15.4	16.9	17.4	18.7	20.6	20.8	22.6	23.0	23.0	23.2	23.2	23.6	23.9
≥ 16000		9.3	14.1	15.4	16.9	17.4	18.7	20.6	20.8	22.6	23.0	23.0	23.2	23.2	23.6	23.9
≥ 14000		9.3	14.1	15.4	16.9	17.4	18.7	20.6	20.8	22.6	23.0	23.0	23.2	23.2	23.6	23.9
≥ 12000		9.3	14.1	15.4	16.9	17.4	18.7	20.6	20.8	22.6	23.0	23.0	23.2	23.2	23.6	23.9
≥ 10000		9.8	14.5	15.8	17.4	17.8	19.1	21.0	21.3	23.0	23.9	23.9	24.1	24.1	24.5	24.7
≥ 9000		10.2	15.4	16.7	18.2	18.7	20.0	21.9	22.1	23.9	24.7	24.7	24.9	24.9	25.4	25.6
≥ 8000		11.5	18.2	19.7	21.5	21.9	23.2	25.4	25.6	27.8	29.1	29.1	29.3	29.3	29.7	29.9
≥ 7000		13.0	20.0	22.1	23.9	24.3	25.6	28.2	28.4	31.0	32.5	32.5	32.8	32.8	33.4	33.6
≥ 6000		13.7	20.8	23.0	24.7	25.2	26.5	29.1	29.3	31.9	33.4	33.4	33.6	33.6	34.3	34.9
≥ 5000		15.4	23.6	25.8	27.5	28.0	29.3	31.9	32.1	34.9	36.4	36.4	36.7	36.7	37.3	38.0
≥ 4500		16.1	24.3	26.5	28.2	28.6	29.9	32.5	32.8	35.6	37.1	37.1	37.3	37.3	38.0	38.6
≥ 4000		18.2	27.1	29.9	31.9	32.3	34.3	37.5	37.7	40.8	42.3	42.7	43.0	43.0	43.6	44.3
≥ 3500		20.0	29.3	33.2	35.6	36.0	38.0	41.4	41.6	44.7	46.2	46.6	47.1	47.1	47.7	48.4
≥ 3000		22.6	32.3	37.5	41.0	41.4	44.0	48.2	48.6	52.3	53.8	54.4	54.9	55.1	55.7	56.6
≥ 2500		24.9	34.7	40.6	44.5	44.9	47.9	52.1	52.5	57.0	58.8	59.4	59.9	60.3	61.0	61.8
≥ 2000		25.6	35.6	41.6	45.6	46.0	49.9	55.5	56.0	60.7	63.1	63.8	64.4	64.9	65.5	66.4
≥ 1800		26.0	36.0	42.1	46.4	46.9	50.8	56.4	57.0	61.8	64.2	64.9	65.5	65.9	66.6	67.5
≥ 1500		27.5	37.5	44.0	48.6	49.0	53.1	59.7	60.3	65.3	67.9	68.8	69.4	69.8	70.5	71.4
≥ 1200		28.4	38.6	45.1	49.9	50.3	54.9	61.8	62.5	67.9	70.5	71.4	72.2	72.7	73.3	74.2
≥ 1000		29.1	39.7	46.6	51.6	52.1	56.8	64.0	64.9	71.1	73.1	73.8	74.1	74.9	75.6	76.5
≥ 900		29.5	40.1	47.3	52.3	52.7	57.5	64.6	65.7	72.0	73.9	74.7	75.0	75.8	76.5	77.4
≥ 800		30.4	41.2	48.6	53.8	54.7	59.9	67.0	68.1	74.4	76.7	77.5	78.0	78.8	79.5	80.3
≥ 700		31.0	41.9	49.2	54.4	55.3	60.5	68.3	69.4	75.7	78.0	78.8	79.1	79.8	80.5	81.3
≥ 600		31.0	41.9	49.2	54.7	55.5	61.0	69.0	70.3	76.6	78.9	79.7	80.2	80.9	81.6	82.4
≥ 500		31.2	42.1	49.5	54.9	55.7	61.2	69.4	70.7	77.4	79.7	80.5	81.0	81.7	82.4	83.2
≥ 400		31.2	42.1	49.5	54.9	55.7	61.4	69.6	70.9	78.3	80.6	81.4	81.9	82.6	83.3	84.1
≥ 300		31.2	42.1	49.5	54.9	55.7	61.4	69.6	70.9	78.5	80.8	81.6	82.1	82.8	83.5	84.3
≥ 200		31.2	42.1	49.5	54.9	55.7	61.4	69.6	70.9	78.7	81.0	81.8	82.3	83.0	83.7	84.5
≥ 100		31.2	42.1	49.5	54.9	55.7	61.4	69.6	70.9	78.7	81.0	81.8	82.3	83.0	83.7	84.5
≥ 0		31.2	42.1	49.5	54.9	55.7	61.4	69.6	70.9	78.7	81.0	81.8	82.3	83.0	83.7	84.5

TOTAL NUMBER OF OBSERVATIONS: 461

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1/2	≥ 1/2	≥ 0
NO CEILING		12.6	13.9	15.0	15.9	16.5	17.4	18.9	18.9	19.4	19.4	19.4	19.4	19.4	19.4	19.4
IV 20000		16.5	18.9	20.7	21.6	22.2	23.6	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 18000		16.5	18.9	20.7	21.6	22.2	23.6	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 16000		16.5	18.9	20.7	21.6	22.2	23.6	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 14000		16.5	18.9	20.7	21.6	22.2	23.6	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 12000		16.5	18.9	20.7	21.6	22.2	23.6	25.1	25.1	25.6	25.6	25.6	25.6	25.6	25.6	25.6
IV 10000		16.7	19.6	21.6	22.7	23.3	24.9	26.4	26.4	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 9000		17.0	19.8	21.8	22.9	23.6	25.1	26.7	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 8000		17.8	21.4	23.3	24.4	25.1	26.7	28.2	28.2	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 7000		18.5	22.7	25.1	26.2	26.9	28.6	30.8	31.1	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 6000		19.2	23.3	25.8	26.9	27.5	29.3	31.7	31.9	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 5000		20.5	26.2	28.9	30.4	31.1	33.5	36.3	36.6	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 4500		21.1	26.9	29.7	31.3	31.9	34.4	37.4	37.7	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 4000		22.0	28.2	31.5	33.3	33.9	36.6	40.3	40.5	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 3500		24.4	31.7	35.5	37.2	37.9	40.7	44.5	44.7	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 3000		28.0	35.5	39.6	42.7	43.4	46.3	50.2	50.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 2500		29.3	37.0	41.6	45.2	45.8	49.1	53.5	53.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9
IV 2000		32.4	42.1	45.4	50.4	51.3	55.7	60.8	61.0	63.4	63.4	64.1	64.1	64.1	64.1	64.1
IV 1800		33.9	41.9	47.1	52.2	53.1	57.5	62.6	62.8	65.2	65.2	66.1	66.1	66.1	66.1	66.1
IV 1500		35.2	43.4	49.1	54.2	55.3	60.7	66.3	66.3	69.2	69.2	70.3	70.3	70.3	70.3	70.3
IV 1200		36.8	45.8	51.8	57.0	58.4	63.4	70.3	70.5	74.0	74.7	75.3	76.0	76.2	76.2	76.2
IV 1000		37.4	46.5	52.4	58.4	59.9	65.6	72.7	72.9	77.3	78.4	79.3	80.2	80.4	80.4	80.4
IV 900		37.9	46.9	52.9	58.8	60.6	66.5	73.8	74.0	78.4	79.5	80.4	81.5	81.9	81.9	81.9
IV 800		39.0	48.5	54.4	60.4	62.1	68.3	76.0	76.2	80.6	81.7	82.6	84.1	84.6	84.6	84.6
IV 700		40.1	49.8	56.4	62.3	64.1	70.3	78.2	78.4	82.8	83.9	84.8	86.3	87.4	87.7	87.7
IV 600		40.1	49.8	56.4	63.0	65.0	71.6	79.7	80.0	84.8	86.3	87.2	88.8	89.9	90.1	90.1
IV 500		40.1	49.8	56.4	63.0	65.0	71.6	79.7	80.4	85.7	87.7	88.8	91.6	93.2	93.4	93.4
IV 400		40.1	49.8	56.4	63.0	65.0	71.6	80.0	80.6	86.1	88.1	89.2	92.3	94.3	94.5	94.5
IV 300		40.1	49.8	56.4	63.0	65.0	71.6	80.0	80.6	86.1	88.1	90.1	93.8	95.8	96.0	96.0
IV 200		40.1	49.8	56.4	63.0	65.0	71.6	80.0	80.6	86.1	88.1	90.1	94.1	96.3	96.9	96.9
IV 100		40.1	49.8	56.4	63.0	65.0	71.6	80.0	80.6	86.1	88.1	90.1	94.1	96.3	97.6	98.7
IV 0		40.1	49.8	56.4	63.0	65.0	71.6	80.0	80.6	86.1	88.1	90.1	94.1	96.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 454

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING		12.2	14.5	16.1	16.7	17.4	18.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
≥ 20000		18.1	21.3	23.8	24.4	26.0	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 18000		18.1	21.3	23.8	24.4	26.0	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 16000		18.1	21.3	23.8	24.4	26.0	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 14000		18.1	21.3	23.8	24.4	26.0	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 12000		18.1	21.3	23.8	24.4	26.0	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV 10000		19.0	22.4	25.1	25.8	27.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
IV 9000		19.2	22.6	25.3	26.0	27.6	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 8000		19.2	23.3	26.5	27.1	28.7	30.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
IV 7000		20.6	24.7	27.8	28.5	30.1	31.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
IV 6000		21.9	26.5	29.6	30.3	32.1	33.7	35.1	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 5000		23.5	29.0	32.1	33.5	35.7	38.7	40.0	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 4500		24.4	29.9	33.5	34.8	37.1	40.0	41.6	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 4000		25.3	31.4	35.3	36.9	40.0	43.0	44.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 3500		28.5	34.8	39.1	40.7	43.9	47.3	49.3	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 3000		32.1	39.1	45.2	48.0	51.4	55.9	58.1	58.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 2500		34.2	41.6	48.0	51.1	54.5	59.3	61.5	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 2000		37.8	45.7	52.3	56.1	59.7	65.2	67.4	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 1800		38.2	46.4	53.2	57.0	60.6	66.1	68.3	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 1500		40.7	48.9	55.7	59.5	63.1	69.7	72.2	72.4	73.5	73.5	73.8	73.8	73.8	73.8	73.8
IV 1200		42.8	51.4	58.6	62.4	66.1	73.1	75.8	76.0	77.1	77.1	77.4	77.4	77.4	77.6	77.6
IV 1000		43.2	51.8	59.3	63.1	66.7	74.4	77.6	77.8	79.2	79.4	79.9	80.5	80.8	81.0	81.0
IV 900		43.4	52.0	59.5	63.6	67.2	75.3	78.7	79.0	80.5	80.8	81.2	81.9	82.6	82.8	82.8
IV 800		44.1	53.6	61.3	65.4	69.0	77.1	80.5	80.8	82.6	82.8	83.3	84.6	85.3	85.5	85.5
IV 700		44.6	54.1	62.4	66.5	70.1	79.0	82.6	82.8	84.8	85.1	85.5	87.1	87.8	88.0	88.0
IV 600		44.6	54.1	62.4	66.7	70.6	79.4	83.7	83.9	86.2	86.9	87.6	89.6	90.3	90.5	90.5
IV 500		44.8	54.3	63.1	67.4	71.3	80.1	85.1	85.3	87.8	88.9	89.6	93.0	94.1	94.3	94.3
IV 400		44.8	54.3	63.1	67.4	71.3	80.1	85.3	85.5	88.9	90.0	91.0	94.3	95.7	95.9	95.9
IV 300		44.8	54.3	63.1	67.4	71.3	80.1	85.7	86.0	89.4	90.7	91.9	95.7	97.3	97.5	97.5
IV 200		44.8	54.3	63.1	67.4	71.3	80.1	85.7	86.0	89.4	90.7	91.9	95.9	97.5	98.0	98.2
IV 100		44.8	54.3	63.1	67.4	71.3	80.1	85.7	86.0	89.4	90.7	91.9	95.9	97.5	98.0	99.1
IV 0		44.8	54.3	63.1	67.4	71.3	80.1	85.7	86.0	89.4	90.7	91.9	95.9	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 442

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-67,69-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		15.2	18.3	18.3	22.5	23.4	24.6	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.7
≥ 20000		20.4	24.1	25.1	29.8	31.9	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0
≥ 18000		20.4	24.1	25.1	29.8	31.9	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0
≥ 16000		20.4	24.1	25.1	29.8	31.9	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0
≥ 14000		20.4	24.1	25.1	29.8	31.9	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0
≥ 12000		20.4	24.1	25.1	29.8	31.9	33.0	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0
≥ 10000		20.9	25.1	26.2	30.9	33.0	34.0	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	35.6
≥ 9000		21.5	25.7	26.7	31.4	33.5	34.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	36.6
≥ 8000		22.0	26.7	28.3	33.0	35.1	36.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	38.2
≥ 7000		22.5	27.2	28.8	33.5	35.6	36.6	37.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.8
≥ 6000		24.6	29.3	30.9	35.6	37.7	38.7	39.8	40.8	41.9	41.9	41.9	41.9	41.9	41.9	42.9
≥ 5000		26.2	30.9	32.5	37.2	40.3	41.9	43.5	44.5	45.5	45.5	45.5	45.5	45.5	45.5	46.6
≥ 4500		26.7	31.4	33.0	38.7	42.4	44.0	47.1	48.2	49.2	49.2	49.2	49.2	49.2	49.2	50.3
≥ 4000		27.7	32.5	34.0	40.3	44.5	46.1	49.2	50.3	51.3	51.3	51.3	51.3	51.3	51.3	52.4
≥ 3500		27.7	33.0	34.6	40.8	46.6	48.2	51.3	52.4	53.4	53.4	53.4	53.4	53.4	53.4	54.5
≥ 3000		29.3	34.6	36.6	43.5	50.3	52.9	57.6	59.2	60.2	60.2	60.2	60.2	60.2	60.2	61.3
≥ 2500		29.8	35.6	37.7	44.5	51.3	54.5	59.2	61.3	62.3	62.3	62.3	62.3	62.3	62.3	63.4
≥ 2000		35.1	42.9	45.0	51.8	60.2	63.4	68.1	70.7	71.7	71.7	71.7	71.7	71.7	71.7	72.8
≥ 1800		35.6	43.5	45.5	52.4	60.7	63.9	68.6	71.2	72.3	72.3	72.3	72.3	72.3	72.3	73.3
≥ 1500		37.7	45.5	47.6	55.5	63.9	67.0	72.3	74.9	76.4	77.0	77.0	77.0	77.0	77.0	78.0
≥ 1200		40.3	48.2	50.3	58.1	66.5	69.6	74.9	77.5	79.1	80.1	80.1	80.1	80.1	80.1	81.2
≥ 1000		40.8	48.7	50.8	58.6	67.0	70.2	75.4	78.0	79.6	80.6	80.6	81.2	81.2	81.2	82.2
≥ 900		40.8	48.7	50.8	59.2	68.6	71.7	77.0	79.6	81.7	82.7	82.7	83.2	83.2	83.2	84.3
≥ 800		41.9	49.7	52.9	61.3	70.7	73.8	79.1	81.7	83.8	85.9	85.9	86.9	86.9	86.9	88.0
≥ 700		41.9	49.7	53.4	61.8	71.2	74.3	80.6	83.2	85.3	88.5	88.5	89.5	89.5	89.5	91.6
≥ 600		41.9	49.7	53.4	61.8	71.2	74.3	81.7	84.3	86.4	89.5	90.1	91.6	92.7	92.7	93.7
≥ 500		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.1	93.2	94.8	96.3	96.9	97.9
≥ 400		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.7	93.7	95.8	97.4	97.9	99.0
≥ 300		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.7	93.7	95.8	98.4	99.0	100.0
≥ 200		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.7	93.7	95.8	98.4	99.0	100.0
≥ 100		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.7	93.7	95.8	98.4	99.0	100.0
≥ 0		42.9	50.8	56.0	64.4	73.8	77.0	84.3	86.9	89.0	92.7	93.7	95.8	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 191

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS, LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		9.3	12.4	15.4	17.5	18.2	19.4	22.2	23.3	25.4	25.9	25.9	26.7	27.3	27.4	28.6
≥ 20000		8.5	13.2	16.5	18.8	19.5	21.4	24.8	25.9	28.2	28.8	29.1	29.9	30.5	30.6	31.8
≥ 18000		8.5	13.2	16.5	18.8	19.5	21.4	24.8	25.9	28.2	28.8	29.1	29.9	30.5	30.6	31.8
≥ 16000		8.5	13.2	16.5	18.8	19.5	21.4	24.8	25.9	28.2	28.8	29.1	29.9	30.5	30.6	31.8
≥ 14000		8.5	13.2	16.5	18.8	19.5	21.4	24.8	25.9	28.2	28.8	29.1	29.9	30.5	30.6	31.8
≥ 12000		8.5	13.2	16.5	18.8	19.5	21.4	24.8	25.9	28.2	28.8	29.1	29.9	30.5	30.6	31.8
≥ 10000		8.6	13.3	16.9	19.2	19.9	21.8	25.2	26.3	28.6	29.1	29.5	30.3	30.8	31.0	32.1
≥ 9000		9.0	13.7	17.3	19.5	20.3	22.2	25.6	26.7	28.9	29.5	29.9	30.6	31.2	31.4	32.5
≥ 8000		10.3	15.0	18.8	21.1	21.8	23.9	27.3	28.4	30.6	31.2	31.6	32.3	32.9	33.1	34.2
≥ 7000		12.2	17.5	21.6	23.9	24.6	26.7	30.1	31.2	33.5	34.0	34.6	35.2	35.7	35.9	37.0
≥ 6000		13.0	18.2	22.4	24.6	25.6	27.6	31.0	32.1	34.4	35.0	35.5	36.3	36.8	37.0	38.3
≥ 5000		13.7	19.0	23.7	25.9	27.1	29.1	33.1	34.2	36.7	37.2	38.2	38.9	39.5	39.7	41.0
≥ 4500		14.7	19.9	24.6	27.1	28.2	30.8	35.0	36.1	38.5	39.3	40.4	41.2	41.7	41.9	43.2
≥ 4000		16.9	22.7	28.2	30.6	31.8	34.6	39.1	40.2	43.0	44.0	45.1	45.9	46.4	46.6	47.9
≥ 3500		17.5	23.3	28.6	31.2	32.3	35.3	40.4	41.5	44.5	45.5	46.6	47.4	47.9	48.1	49.4
≥ 3000		19.7	25.9	33.1	35.5	36.7	40.2	46.2	47.4	50.6	51.5	52.6	53.4	53.9	54.1	55.5
≥ 2500		21.4	27.8	36.1	38.7	39.8	44.0	51.3	52.4	56.0	57.0	58.1	58.8	59.4	59.6	60.9
≥ 2000		23.1	29.7	38.9	42.1	43.4	48.9	57.1	59.0	63.2	64.1	65.6	66.4	66.9	67.1	68.4
≥ 1800		23.7	30.8	40.0	43.2	44.5	50.0	58.3	60.2	64.3	65.2	66.7	67.5	68.0	68.2	69.5
≥ 1500		25.6	32.9	42.7	45.9	47.7	53.5	61.8	67.1	71.8	73.1	74.6	75.4	76.1	76.3	77.6
≥ 1200		26.5	34.4	44.2	48.1	50.0	56.5	68.0	70.3	75.0	76.5	78.0	78.8	79.5	79.7	81.0
≥ 1000		27.4	35.5	46.1	50.0	52.1	60.7	70.5	72.9	78.6	80.1	81.8	82.5	83.3	83.5	84.8
≥ 900		27.6	35.9	46.8	50.9	53.2	61.8	71.6	74.1	79.7	81.2	82.9	83.6	84.4	84.6	85.9
≥ 800		28.6	37.0	48.1	53.0	55.5	64.1	74.2	76.7	82.3	83.8	85.7	86.5	87.2	87.4	88.7
≥ 700		28.8	37.4	48.5	53.4	55.8	64.5	74.6	77.1	82.9	84.4	86.5	87.2	88.0	88.2	89.5
≥ 600		28.8	38.0	49.1	53.9	56.4	65.0	75.2	77.6	83.8	85.5	87.8	88.9	89.7	89.8	91.2
≥ 500		28.8	38.0	49.1	53.9	56.4	65.0	75.2	77.6	84.2	86.1	89.1	90.8	91.5	91.7	93.0
≥ 400		28.8	38.0	49.1	53.9	56.4	65.0	75.8	78.2	85.2	87.2	90.4	92.5	94.0	94.2	95.5
≥ 300		28.8	38.0	49.1	53.9	56.4	65.0	75.8	78.2	85.2	87.2	90.4	92.7	95.1	95.3	96.8
≥ 200		28.8	38.0	49.1	53.9	56.4	65.0	75.8	78.2	85.2	87.2	90.4	92.7	95.1	95.5	97.9
≥ 100		28.8	38.0	49.1	53.9	56.4	65.0	75.8	78.2	85.2	87.2	90.4	92.7	95.1	95.5	98.9
≥ 0		28.8	38.0	49.1	53.9	56.4	65.0	75.8	78.2	85.2	87.2	90.4	92.7	95.1	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 532

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0
NO CEILING		10.4	12.0	16.3	18.7	19.4	20.7	23.5	24.8	25.9	26.9	26.9	27.0	27.0	27.2
≥ 20000		12.2	14.6	18.9	22.2	23.0	24.4	27.2	28.5	29.8	30.9	31.1	31.7	31.9	32.0
≥ 18000		12.2	14.6	18.9	22.2	23.0	24.4	27.2	28.5	29.8	30.9	31.1	31.7	31.9	32.0
≥ 16000		12.2	14.6	18.9	22.2	23.0	24.4	27.2	28.5	29.8	30.9	31.1	31.7	31.9	32.0
≥ 14000		12.2	14.6	18.9	22.2	23.0	24.4	27.2	28.5	29.8	30.9	31.1	31.7	31.9	32.0
≥ 12000		12.2	14.6	18.9	22.2	23.0	24.4	27.2	28.5	29.8	30.9	31.1	31.7	31.9	32.0
≥ 10000		12.4	14.8	19.1	22.4	23.1	24.6	27.4	28.7	30.0	31.3	31.5	32.0	32.2	32.4
≥ 9000		12.6	15.0	19.3	22.6	23.3	25.2	29.0	29.3	30.7	32.0	32.2	32.8	33.0	33.1
≥ 8000		14.3	16.9	21.1	24.4	25.2	27.0	29.8	31.3	33.0	34.3	34.4	35.2	35.4	35.6
≥ 7000		15.7	18.5	22.8	26.1	26.9	28.7	31.5	33.3	35.4	36.7	37.0	37.8	38.0	38.1
≥ 6000		17.2	20.0	24.8	28.1	28.9	30.7	33.5	35.4	37.4	38.7	39.3	40.0	40.2	40.4
≥ 5000		19.1	21.9	26.9	30.2	30.9	32.8	35.7	37.6	39.8	41.1	41.7	42.4	42.6	42.8
≥ 4500		19.3	22.0	27.0	30.4	31.1	33.0	36.5	38.3	40.9	42.2	42.8	43.5	43.7	43.9
≥ 4000		20.9	23.7	29.1	32.6	33.3	35.6	39.8	41.7	44.3	45.6	46.1	46.9	47.0	47.2
≥ 3500		21.7	25.0	30.7	34.3	35.0	37.8	42.2	44.1	46.7	48.0	48.5	49.3	49.4	49.6
≥ 3000		24.6	28.3	34.4	38.3	39.1	42.6	47.2	49.1	52.6	53.9	54.4	55.2	55.4	55.7
≥ 2500		25.6	29.4	36.1	40.6	41.3	45.7	51.3	53.1	56.7	58.0	58.5	59.3	59.4	59.8
≥ 2000		27.6	32.4	40.0	45.0	45.7	51.3	57.4	59.4	63.3	64.6	65.4	66.3	66.5	66.9
≥ 1800		28.3	33.3	41.5	46.5	47.2	53.5	60.0	62.2	66.1	67.4	68.1	69.1	69.3	69.6
≥ 1500		30.0	35.0	43.7	49.3	50.0	57.0	64.1	66.3	70.4	71.9	72.6	73.5	73.7	74.1
≥ 1200		31.5	36.7	45.9	52.4	53.1	60.6	68.3	70.6	74.6	76.1	76.9	77.8	78.0	78.3
≥ 1000		32.2	37.8	47.4	53.9	54.6	62.6	70.9	73.3	78.3	80.0	81.3	82.4	82.6	83.0
≥ 900		32.4	38.0	47.8	54.3	55.2	63.1	71.5	73.9	78.9	80.6	81.9	83.0	83.1	83.5
≥ 800		33.3	39.3	49.6	57.0	58.0	66.1	75.2	77.6	82.6	84.3	85.6	86.7	86.9	87.2
≥ 700		33.7	39.6	50.0	57.4	58.3	66.5	75.6	78.1	83.3	85.2	86.5	87.6	87.8	88.1
≥ 600		33.9	40.2	50.7	58.1	59.3	67.6	76.9	79.8	85.4	87.4	88.9	90.4	90.6	90.9
≥ 500		34.1	40.4	50.9	58.5	59.6	68.0	77.2	80.2	86.3	88.5	90.4	93.0	93.3	93.7
≥ 400		34.1	40.4	50.9	58.7	59.8	68.3	77.8	80.7	86.9	89.1	91.1	94.1	95.0	95.4
≥ 300		34.1	40.4	50.9	58.7	59.8	68.3	77.8	80.7	86.9	89.1	91.1	94.4	95.9	96.3
≥ 200		34.1	40.4	50.9	58.7	59.8	68.3	77.8	80.7	86.9	89.1	91.1	94.4	95.9	96.9
≥ 100		34.1	40.4	50.9	58.7	59.8	68.3	77.8	80.7	86.9	89.1	91.1	94.4	95.9	97.0
≥ 0		34.1	40.4	50.9	58.7	59.8	68.3	77.8	80.7	86.9	89.1	91.1	94.4	96.1	97.2

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.075	≥0.05	≥0.025
NO CEILING	15.1	17.7	20.2	21.9	23.0	24.5	26.6	26.6	26.6	26.6	25.6	25.6	25.6	25.6	26.6	26.6
≥ 20000	19.1	21.7	25.1	27.2	28.3	30.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 18000	18.1	21.7	25.1	27.2	28.3	30.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 16000	18.1	21.7	25.1	27.2	28.3	30.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 14000	18.1	21.7	25.1	27.2	28.3	30.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 12000	18.1	21.9	25.3	27.4	28.5	30.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	18.3	21.9	25.3	27.4	28.5	30.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 9000	18.3	22.1	25.5	27.5	28.7	30.9	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥ 8000	19.4	23.2	26.6	28.7	30.0	33.0	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 7000	20.0	23.8	27.4	29.4	30.9	34.7	37.2	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 6000	20.8	24.5	28.3	30.4	31.9	35.7	38.3	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 5000	21.9	26.2	30.0	32.1	33.6	37.4	40.0	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 4500	22.3	26.6	30.4	32.6	34.3	38.1	40.9	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 4000	23.4	27.7	31.9	34.3	36.0	39.8	42.8	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 3500	25.1	29.4	33.8	36.2	38.5	42.5	45.5	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 3000	30.4	35.7	40.9	44.0	46.6	50.6	54.0	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 2500	35.1	41.3	47.5	51.1	54.0	58.5	62.3	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 2000	38.1	45.3	52.1	55.7	58.5	63.0	66.8	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 1800	40.9	48.2	54.9	58.5	61.5	66.2	70.0	71.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1600	42.5	51.1	59.1	63.0	66.2	72.1	75.8	77.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1400	45.3	54.2	62.3	66.4	69.8	75.7	79.4	80.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	46.0	55.7	63.6	68.1	71.7	78.1	82.8	84.0	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	46.4	56.6	64.7	69.6	73.2	79.6	84.3	85.5	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	47.0	57.4	65.7	70.6	74.2	81.1	86.4	87.5	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	47.4	57.9	66.2	71.3	74.9	82.5	88.1	89.4	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	47.7	58.3	67.2	72.5	76.6	84.5	90.2	91.5	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	48.1	58.7	67.5	72.8	77.0	84.9	90.9	92.5	93.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	48.3	58.9	67.7	73.0	77.2	85.1	91.1	92.6	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400	48.3	58.9	67.9	73.2	77.4	85.3	91.3	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 300	48.3	58.9	67.9	73.2	77.4	85.3	91.3	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 200	48.3	58.9	67.9	73.2	77.4	85.3	91.3	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 100	48.3	58.9	67.9	73.2	77.4	85.3	91.3	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1
≥ 0	48.3	58.9	67.9	73.2	77.4	85.3	91.3	92.8	96.2	97.7	97.7	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 530

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 KERTHEIM GERMANY AAF

65-70

BAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1520-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	23.0	24.5	25.7	26.6	27.6	27.8	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 20000	27.0	28.7	30.3	31.8	32.8	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 18000	27.0	28.7	30.3	31.8	32.8	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 16000	27.0	28.7	30.3	31.8	32.8	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 14000	27.0	28.7	30.3	31.8	32.8	33.5	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 12000	27.2	28.9	30.5	32.0	33.0	33.7	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 10000	27.2	29.3	31.0	32.5	33.5	34.3	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 9000	27.4	29.5	31.2	32.6	33.7	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IV 8000	28.2	30.3	32.0	33.5	34.7	36.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IV 7000	28.5	31.0	32.7	34.2	35.0	36.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 6000	29.5	32.4	34.7	36.6	37.7	40.4	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 5000	30.3	33.1	35.6	37.5	39.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 4500	30.8	33.9	36.3	38.7	40.4	43.1	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 4000	33.1	36.2	39.7	42.0	43.7	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 3500	38.0	39.3	42.7	45.0	47.3	50.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3000	41.2	45.8	50.0	52.7	55.2	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 2500	45.6	50.6	56.1	59.2	61.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2000	48.1	53.4	59.2	62.3	65.1	69.2	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 1800	50.4	55.7	61.5	64.8	67.6	71.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1500	52.9	58.2	65.3	69.2	72.0	75.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	56.9	63.2	70.9	75.1	78.2	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1000	57.9	64.2	71.8	75.1	79.1	84.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 900	58.6	65.5	73.2	77.4	80.7	86.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	59.6	66.7	74.3	78.5	81.8	87.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 700	60.3	67.6	75.3	79.5	82.8	88.9	91.6	92.0	92.7	93.5	93.9	93.9	93.9	93.9	93.9	93.9
IV 600	60.3	67.6	75.9	80.1	83.3	89.5	92.5	92.7	94.4	95.4	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	60.3	67.6	75.9	80.1	83.3	89.5	92.9	93.1	95.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	60.7	68.0	76.2	80.5	83.7	89.6	93.3	93.5	95.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3
IV 300	60.7	68.0	76.4	80.7	83.9	90.0	93.5	93.7	96.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5
IV 200	60.7	68.0	76.4	80.7	83.9	90.0	93.5	93.7	96.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5
IV 100	60.7	68.0	76.4	80.7	83.9	90.0	93.5	93.7	96.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5
IV C	60.7	68.0	76.4	80.7	83.9	90.0	93.5	93.7	96.0	97.1	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-67,69-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		22.4	26.2	27.6	28.0	29.4	29.9	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 14000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 12000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 10000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 9000		26.6	30.8	32.7	33.2	34.6	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000		27.6	32.2	34.6	36.0	37.4	38.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 7000		28.0	33.2	35.5	36.9	38.3	39.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 6000		30.8	36.4	38.8	40.7	42.1	44.4	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 5000		32.7	38.8	41.1	43.0	44.4	46.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500		34.6	40.7	43.5	45.3	46.7	50.0	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4000		38.8	45.3	48.1	50.5	51.9	55.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500		41.1	47.7	51.4	53.7	55.1	58.4	59.8	59.8	60.3	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3000		43.0	50.0	55.1	57.5	59.3	63.6	65.0	65.0	65.4	65.9	65.9	65.9	65.9	65.9	65.9
≥ 2500		44.9	52.3	58.4	63.1	65.0	70.1	71.5	71.5	72.0	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2000		45.8	53.7	59.8	64.5	66.4	71.5	72.9	72.9	73.4	73.8	73.8	73.8	73.8	73.8	73.8
≥ 1800		47.2	55.1	61.2	65.9	67.8	72.9	74.3	74.3	74.8	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1500		49.1	57.5	64.0	68.7	70.6	76.2	78.0	78.0	78.5	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1200		53.3	61.7	68.7	73.4	75.2	82.2	85.0	85.0	85.5	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000		53.3	62.1	69.6	74.3	76.2	83.2	86.9	86.9	87.4	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900		53.7	62.6	70.1	74.8	76.6	83.6	87.4	87.4	87.9	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800		54.2	63.6	71.0	76.2	78.0	85.0	90.2	90.2	90.7	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700		55.6	65.0	72.4	77.6	79.4	86.4	91.6	91.6	92.1	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	94.9	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	94.9	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	94.9	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	95.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	95.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 100		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	95.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 0		56.1	65.4	73.4	78.3	80.8	87.9	93.5	93.5	95.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 214

DATA PROCESSING DIVISION
USAF ATC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 KERTHEIM GERMANY AAF

65-70

YEARS

AFR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		17.8	20.5	23.7	26.4	27.2	28.9	29.6	29.8	31.0	31.4	31.4	31.4	31.4	31.4	31.9
≥ 20000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 18000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 16000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 14000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 12000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 10000		19.5	23.3	26.8	29.4	30.2	31.9	33.1	33.3	34.4	34.8	34.8	34.8	34.8	34.8	35.6
≥ 9000		19.7	23.5	27.0	29.6	30.4	32.1	33.3	33.7	34.8	35.2	35.2	35.2	35.2	35.2	35.9
≥ 8000		21.2	25.2	28.7	31.9	32.7	34.6	36.5	36.9	38.4	38.8	38.8	39.0	39.0	39.0	39.8
≥ 7000		23.7	28.7	32.7	35.9	36.7	39.2	41.5	41.9	43.6	44.0	44.0	44.2	44.2	44.2	45.3
≥ 6000		23.9	29.1	33.1	36.3	37.1	40.0	42.3	42.6	44.4	44.7	44.7	44.9	44.9	44.9	46.1
≥ 5000		25.2	30.8	35.4	38.6	39.6	42.8	45.7	46.1	47.8	48.2	48.2	48.6	48.6	48.9	50.5
≥ 4500		27.3	33.5	38.0	41.5	42.8	47.2	50.3	50.7	52.4	52.8	52.8	53.3	53.3	53.9	56.6
≥ 4000		27.3	33.8	39.0	42.4	43.8	48.2	52.2	53.0	54.9	55.6	55.6	56.2	57.0	57.0	59.7
≥ 3500		28.9	35.9	41.1	44.6	45.9	50.7	54.7	55.4	57.4	58.1	58.1	58.7	59.5	59.5	62.1
≥ 3000		30.8	38.4	44.4	48.0	49.3	54.7	58.7	59.5	62.0	62.7	62.9	63.5	64.2	64.2	66.9
≥ 2500		33.8	42.6	48.6	52.8	54.3	60.2	65.6	66.3	69.4	70.2	70.4	70.9	71.7	71.7	74.4
≥ 2000		35.0	43.8	49.9	54.9	56.6	63.7	69.6	70.4	73.8	74.6	74.8	75.3	76.1	76.1	78.8
≥ 1800		33.0	43.8	49.9	55.1	56.8	64.1	70.0	70.7	74.2	75.0	75.1	75.7	76.5	76.5	79.2
≥ 1500		37.3	47.7	54.1	59.5	61.2	68.6	75.5	76.3	79.7	80.5	80.7	81.3	82.0	82.0	84.7
≥ 1200		38.2	48.4	55.3	60.6	62.5	70.4	78.2	79.0	82.6	83.4	83.7	84.5	85.7	85.7	88.3
≥ 1000		39.2	49.3	56.2	61.6	63.5	71.5	79.9	80.7	84.3	85.1	85.0	86.8	88.0	88.0	90.6
≥ 900		39.2	49.3	56.2	61.6	63.5	71.5	80.1	80.9	84.5	85.3	86.2	87.0	88.1	88.1	90.8
≥ 800		40.0	50.1	57.0	62.3	64.8	73.4	82.8	83.6	87.2	88.0	89.1	89.9	91.0	91.0	93.7
≥ 700		40.0	50.1	57.0	62.3	64.8	73.8	83.2	83.9	88.1	88.9	90.1	90.8	92.0	92.0	94.6
≥ 600		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	88.7	89.5	90.8	91.6	92.7	92.7	95.4
≥ 500		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	88.7	89.5	90.8	91.6	92.7	92.7	95.4
≥ 400		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	89.1	90.1	92.0	92.7	94.5	94.5	97.1
≥ 300		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	89.3	90.2	92.2	92.9	94.6	94.6	97.3
≥ 200		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	89.3	90.2	92.2	92.9	94.6	94.6	97.7
≥ 100		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	89.3	90.2	92.2	92.9	94.6	94.6	99.0
≥ 0		40.0	50.1	57.0	62.3	64.8	73.8	83.7	84.5	89.3	90.2	92.2	92.9	94.6	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 523

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36076 WERTHEIM GERMANY AAF

65-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		18.7	21.1	23.8	25.5	27.0	28.2	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.5
≥ 20000		21.0	24.2	26.9	28.6	30.1	31.4	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	33.1
≥ 18000		21.0	24.2	26.9	28.6	30.1	31.4	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	33.1
≥ 16000		21.0	24.2	26.9	28.6	30.1	31.4	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	33.1
≥ 14000		21.0	24.2	26.9	28.6	30.1	31.4	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	33.1
≥ 12000		21.1	24.4	27.0	28.8	30.3	31.6	32.6	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 10000		21.1	24.4	27.0	28.8	30.3	31.6	32.6	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.3
≥ 9000		21.1	24.4	27.2	29.0	30.7	32.4	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	34.3
≥ 8000		22.3	25.7	28.6	30.5	32.2	34.5	35.4	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.4
≥ 7000		25.0	29.0	32.0	34.1	35.8	38.1	39.0	39.4	39.8	39.8	39.8	39.8	39.8	39.8	40.2
≥ 6000		25.1	29.1	32.2	34.3	36.0	38.5	39.8	40.2	40.6	40.6	40.6	40.6	40.6	40.6	41.0
≥ 5000		26.1	30.3	33.3	35.4	37.3	40.2	41.7	42.3	42.7	42.7	42.7	42.7	42.7	42.7	43.6
≥ 4500		28.0	32.6	35.5	37.9	39.8	43.2	45.0	45.5	45.9	45.9	45.9	45.9	45.9	45.9	47.2
≥ 4000		29.5	34.1	36.3	41.1	43.0	46.5	48.4	49.0	49.3	49.3	49.3	49.3	49.3	49.3	51.0
≥ 3500		31.2	35.8	40.2	43.4	45.3	48.8	50.7	51.2	51.6	51.6	51.6	51.6	51.6	51.6	53.3
≥ 3000		36.2	41.5	46.1	49.9	51.8	55.8	58.1	58.7	59.2	59.2	59.2	59.2	59.2	59.2	61.5
≥ 2500		40.4	46.3	50.9	55.0	57.0	61.1	64.0	65.3	65.9	66.1	67.0	67.0	67.0	67.0	68.8
≥ 2000		42.7	48.8	53.5	58.7	61.0	66.5	70.5	71.2	72.6	72.8	74.1	74.1	74.1	74.1	75.8
≥ 1800		43.2	49.3	54.1	59.2	61.5	67.2	71.2	72.0	73.3	73.5	74.9	74.9	74.9	74.9	76.6
≥ 1500		43.3	52.0	57.5	63.4	65.7	71.8	76.2	77.0	78.3	78.5	79.8	79.8	79.8	80.4	81.5
≥ 1200		46.3	53.5	59.2	66.1	68.4	75.0	79.8	80.8	81.9	82.3	83.6	83.6	83.6	84.2	85.3
≥ 1000		47.2	54.7	61.0	68.2	70.5	77.3	82.3	83.0	84.6	85.3	86.9	86.9	86.9	87.4	88.6
≥ 900		48.0	55.4	61.7	69.0	71.2	78.1	83.0	83.8	85.3	86.1	87.6	87.6	87.6	88.2	89.3
≥ 800		49.5	57.1	63.6	70.9	73.3	81.4	86.3	87.0	88.8	89.5	91.0	91.0	91.0	91.6	92.8
≥ 700		49.9	57.7	64.6	72.0	74.5	82.5	87.8	88.6	91.2	92.0	93.5	93.5	93.5	94.1	95.2
≥ 600		49.9	57.9	64.8	72.2	74.9	83.4	88.8	89.5	92.2	93.0	94.5	94.5	94.5	95.0	96.2
≥ 500		49.9	57.9	64.8	72.2	75.0	83.6	89.1	89.9	92.8	93.9	95.4	95.4	95.4	96.0	97.1
≥ 400		49.9	58.1	65.0	72.4	75.2	84.0	89.5	90.3	93.5	94.7	96.2	96.2	96.2	97.5	98.7
≥ 300		49.9	58.1	65.0	72.4	75.2	84.0	89.5	90.3	94.3	95.4	97.0	97.0	97.0	98.3	99.4
≥ 200		49.9	58.1	65.0	72.4	75.2	84.0	89.5	90.3	94.3	95.4	97.0	97.0	97.0	98.3	99.4
≥ 100		49.9	58.1	65.0	72.4	75.2	84.0	89.5	90.3	94.3	95.4	97.0	97.0	97.0	98.3	99.8
≥ 0		49.9	58.1	65.0	72.4	75.2	84.0	89.5	90.3	94.3	95.4	97.0	97.0	97.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 525

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ 0
NO CEILING		19.6	20.6	22.1	22.5	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 20000		25.0	26.2	27.6	28.0	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 18000		25.0	26.2	27.6	28.0	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 16000		25.0	26.2	27.6	28.0	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 14000		25.0	26.2	27.6	28.0	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 12000		25.0	26.2	27.6	28.0	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 10000		25.0	26.6	28.0	28.3	28.7	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 9000		26.6	28.7	30.1	30.5	30.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 8000		29.1	31.3	32.6	33.0	33.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 7000		30.1	32.2	33.8	34.2	34.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 6000		30.5	32.6	34.2	34.6	35.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 5000		31.7	33.8	35.3	35.7	36.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4500		32.6	34.8	36.5	37.1	38.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 4000		36.1	38.3	40.6	41.2	42.1	43.5	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9
≥ 3500		40.2	42.3	44.7	45.2	46.2	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0
≥ 3000		47.8	50.3	52.8	54.2	55.1	56.7	57.1	57.1	57.7	57.7	57.9	57.9	57.9	57.9
≥ 2500		54.4	57.5	61.0	63.7	64.7	67.4	68.9	68.9	69.5	69.5	69.7	69.7	69.7	69.7
≥ 2000		61.2	64.3	68.2	71.1	72.0	75.0	77.3	77.3	78.4	78.4	78.6	78.6	78.6	78.6
≥ 1800		61.4	64.7	68.5	71.5	72.6	75.2	77.9	77.9	79.0	79.0	79.2	79.2	79.2	79.2
≥ 1500		64.7	68.3	72.2	75.7	76.9	79.8	82.3	82.3	83.7	83.7	84.2	84.2	84.2	84.2
≥ 1200		67.4	72.0	76.1	79.5	80.8	84.3	86.8	86.8	88.2	88.2	88.7	88.7	88.7	88.7
≥ 1000		69.1	74.4	78.8	83.1	84.5	88.7	91.3	91.3	92.8	92.8	93.4	93.4	93.4	93.4
≥ 900		70.1	75.3	80.0	84.3	85.6	89.9	92.4	92.4	94.0	94.0	94.6	94.6	94.6	94.6
≥ 800		70.1	75.9	80.6	84.9	86.6	90.9	93.6	93.6	95.1	95.1	95.7	95.7	95.7	95.7
≥ 700		70.1	75.9	81.2	85.4	87.2	91.5	94.2	94.2	96.1	96.1	96.7	96.7	96.7	96.7
≥ 600		70.3	76.1	81.4	85.6	87.4	91.7	94.4	94.4	96.3	96.3	97.1	97.1	97.1	97.1
≥ 500		70.9	76.7	81.9	86.4	88.2	92.4	95.5	95.5	97.5	97.5	98.3	98.3	98.3	98.3
≥ 400		70.9	77.1	82.5	87.0	89.1	93.6	96.7	96.7	98.8	98.8	99.4	99.4	99.4	99.4
≥ 300		70.9	77.1	82.5	87.2	89.3	94.0	97.1	97.1	99.2	99.2	100.0	100.0	100.0	100.0
≥ 200		70.9	77.1	82.5	87.2	89.3	94.0	97.1	97.1	99.2	99.2	100.0	100.0	100.0	100.0
≥ 100		70.9	77.1	82.5	87.2	89.3	94.0	97.1	97.1	99.2	99.2	100.0	100.0	100.0	100.0
≥ 0		70.9	77.1	82.5	87.2	89.3	94.0	97.1	97.1	99.2	99.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 515

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
MOCS 137

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		24.7	26.1	26.9	26.9	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
≥ 20000		31.6	33.1	34.1	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 18000		31.6	33.1	34.1	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 16000		31.6	33.1	34.1	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000		31.6	33.1	34.1	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000		31.6	33.1	34.1	34.1	34.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 10000		32.5	34.1	35.1	35.1	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 9000		34.1	35.9	37.1	37.1	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 8000		36.3	38.2	39.6	39.6	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 7000		38.6	40.8	42.4	42.4	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 6000		39.4	41.6	43.1	43.3	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 5000		41.4	43.5	45.1	45.3	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 4500		43.7	45.9	47.3	47.6	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4000		47.8	50.0	51.8	52.2	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3500		52.2	54.3	56.1	56.5	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3000		59.2	61.6	63.5	63.9	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 2500		67.1	70.0	72.5	73.5	74.3	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2000		73.7	77.3	80.0	81.0	82.2	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800		73.9	77.6	80.4	81.6	82.7	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500		75.9	79.8	82.7	84.7	85.9	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200		76.5	81.0	83.9	85.9	87.1	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1000		77.6	82.4	86.1	88.2	89.4	91.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900		78.2	82.9	86.7	88.8	90.0	92.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800		78.4	83.1	86.9	89.0	90.6	92.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700		78.8	83.5	87.8	90.0	91.6	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600		78.8	83.5	87.8	90.2	91.8	94.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500		79.0	83.7	88.0	90.6	92.2	94.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 400		79.2	83.9	88.2	91.8	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		79.2	83.9	88.2	91.8	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200		79.2	83.9	88.2	91.8	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100		79.2	83.9	88.2	91.8	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0		79.2	83.9	88.2	91.8	93.3	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 510

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WESTHEIM GERMANY AAF

65-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING		25.6	27.4	29.3	29.3	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 20000		32.6	34.4	36.7	36.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 18000		32.6	34.4	36.7	36.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 16000		32.6	34.4	36.7	36.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 14000		32.6	34.4	36.7	36.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 12000		32.6	34.4	36.7	36.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 10000		34.9	36.7	40.0	40.0	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 9000		35.3	37.2	40.5	40.5	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 8000		37.2	39.5	42.8	42.8	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 7000		41.9	45.1	48.4	48.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 6000		43.7	47.0	50.2	50.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 5000		47.0	50.7	54.0	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
4500		49.3	54.4	57.7	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
4000		52.1	57.2	60.5	60.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
3500		53.5	60.0	63.3	63.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
3000		57.7	64.7	67.9	67.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2500		63.7	71.2	74.4	74.4	75.3	75.3	75.8	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2000		68.3	76.3	80.5	80.5	82.8	82.8	84.2	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1800		69.8	77.2	81.6	82.3	84.2	85.1	86.0	86.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500		72.6	81.4	87.0	88.4	90.2	92.1	93.0	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5
1200		72.6	81.4	87.0	88.4	90.2	92.1	93.0	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5
1000		73.5	82.3	88.4	89.8	91.6	93.5	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
900		73.5	82.3	88.4	89.8	91.6	93.5	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
800		74.0	82.8	88.8	90.2	93.0	95.3	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2
700		74.0	82.8	89.3	90.7	93.5	95.8	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600		74.0	82.8	89.3	91.6	94.4	96.7	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500		74.0	82.8	89.3	91.6	94.9	97.2	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
400		74.4	83.3	90.2	92.6	95.8	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		74.4	83.3	90.2	92.6	95.8	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		74.4	83.3	90.2	92.6	95.8	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		74.4	83.3	90.2	92.6	95.8	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		74.4	83.3	90.2	92.6	95.8	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 215

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076

WERTHEIM GERMANY AAF

65-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING		15.4	22.6	24.7	26.0	26.0	31.3	33.0	33.5	34.8	34.8	35.0	35.2	35.6	35.6	36.3
≥ 20000		22.5	27.7	30.3	32.4	32.4	38.0	39.9	40.5	41.8	41.8	42.0	42.2	42.6	42.6	43.3
≥ 18000		20.5	27.7	30.3	32.4	32.4	38.0	39.9	40.5	41.8	41.8	42.0	42.2	42.6	42.6	43.3
≥ 16000		20.5	27.7	30.3	32.4	32.4	38.0	39.9	40.5	41.8	41.8	42.0	42.2	42.6	42.6	43.3
≥ 14000		20.5	27.7	30.3	32.4	32.4	38.0	39.9	40.5	41.8	41.8	42.0	42.2	42.6	42.6	43.3
≥ 12000		20.5	27.7	30.3	32.4	32.4	38.0	39.9	40.5	41.8	41.8	42.0	42.2	42.6	42.6	43.3
≥ 10000		20.9	28.4	31.1	33.1	33.1	38.8	40.7	41.2	42.6	43.1	43.3	43.5	43.9	43.9	44.6
≥ 9000		21.8	29.6	32.2	34.5	34.5	40.1	42.0	42.6	43.9	44.4	44.6	44.8	45.2	45.2	46.0
≥ 8000		24.3	32.2	35.6	38.8	38.8	44.6	46.9	47.5	49.0	49.5	49.7	49.9	50.3	50.3	51.4
≥ 7000		25.0	33.1	37.5	40.7	40.7	46.7	49.2	49.9	51.6	52.2	52.4	52.5	52.9	52.9	54.0
≥ 6000		25.0	33.3	37.7	41.1	41.1	47.3	49.9	50.7	52.4	52.9	53.1	53.3	53.7	53.7	54.8
≥ 5000		27.5	36.9	41.8	45.6	45.6	52.0	54.8	55.6	57.4	58.0	58.4	58.6	58.9	58.9	60.1
≥ 4500		29.6	39.2	44.3	48.6	48.6	55.7	58.8	59.5	61.4	62.0	62.5	62.7	63.3	63.7	65.0
≥ 4000		30.5	40.3	45.6	50.1	50.1	58.2	61.4	62.1	64.0	64.8	65.3	65.7	66.3	66.3	68.2
≥ 3500		32.8	42.6	48.2	52.7	52.7	61.2	64.4	65.2	67.2	68.0	68.7	68.9	69.7	70.1	71.6
≥ 3000		36.7	47.3	52.9	57.6	57.6	66.3	69.7	70.4	72.5	73.3	74.0	74.2	75.0	75.3	76.8
≥ 2500		37.5	48.2	54.6	59.3	59.3	68.5	71.9	72.7	74.8	75.5	76.3	76.6	77.4	77.8	79.3
≥ 2000		40.3	52.9	59.9	65.0	65.0	74.4	77.8	78.3	80.6	81.4	82.1	82.5	83.4	83.8	85.3
≥ 1800		41.1	53.7	61.0	66.1	66.1	75.5	78.9	79.7	81.7	82.5	83.2	83.6	84.6	84.9	86.4
≥ 1500		41.8	54.8	62.9	68.2	68.2	77.4	81.2	81.9	84.2	85.1	85.9	86.3	87.2	87.6	89.1
≥ 1200		42.4	55.4	63.5	68.5	68.5	78.0	82.1	82.9	85.1	86.1	86.8	87.2	88.1	88.5	90.0
≥ 1000		42.7	55.7	64.4	69.9	70.1	79.3	83.4	84.4	86.6	87.8	88.5	88.9	89.8	90.2	91.7
≥ 900		42.9	55.9	64.6	70.1	70.2	79.5	83.6	84.6	86.8	87.9	88.7	89.1	90.0	90.4	91.9
≥ 800		44.1	57.0	66.5	72.1	72.3	81.5	85.7	86.6	88.9	89.9	90.8	91.1	92.1	92.5	94.0
≥ 700		44.1	57.6	66.5	72.5	72.7	82.1	86.3	87.2	89.5	90.6	91.3	91.7	92.7	93.0	94.5
≥ 600		44.1	57.6	66.7	72.9	73.1	82.5	86.6	87.6	89.8	91.0	91.7	92.1	93.0	93.4	94.9
≥ 500		44.1	57.6	66.7	72.9	73.1	82.5	86.6	87.6	89.8	91.0	91.7	92.1	93.0	93.8	95.5
≥ 400		44.1	57.6	66.7	72.9	73.1	82.5	86.6	87.6	90.0	91.3	92.1	92.8	93.8	94.4	96.0
≥ 300		44.1	57.6	66.7	72.9	73.1	82.5	86.6	87.6	90.2	91.5	92.5	93.0	94.4	95.3	97.2
≥ 200		44.1	57.6	66.7	72.9	73.1	82.5	86.8	87.8	91.0	92.3	93.2	93.8	95.1	96.0	98.7
≥ 100		44.1	57.6	66.7	72.9	73.1	82.5	86.8	87.8	91.0	92.3	93.2	93.8	95.1	96.0	99.2
≥ 0		44.1	57.6	66.7	72.9	73.1	82.5	86.8	87.8	91.0	92.3	93.2	93.8	95.1	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		27.1	30.1	32.5	33.9	36.0	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 16000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 14000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 12000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 10000		32.2	35.4	38.4	39.7	41.8	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 9000		33.3	36.7	39.7	41.1	43.1	44.3	44.4	44.4	44.6	44.6	44.8	44.8	44.8	44.8
IV 8000		35.6	39.0	42.2	43.7	45.8	47.3	47.5	47.5	47.6	47.6	47.8	47.8	47.8	47.8
IV 7000		37.9	41.2	45.2	46.7	48.8	50.8	51.0	51.0	51.2	51.2	51.4	51.4	51.4	51.4
IV 6000		38.4	42.0	46.0	47.5	49.5	51.6	51.8	51.8	52.0	52.0	52.2	52.2	52.2	52.2
IV 5000		40.5	44.4	48.8	50.7	52.9	55.0	55.2	55.2	55.4	55.4	55.7	55.7	55.7	55.7
IV 4500		41.8	45.8	50.1	52.4	55.4	57.6	57.8	57.8	58.0	58.0	58.4	58.4	58.4	58.4
IV 4000		43.7	49.0	53.5	55.7	58.8	61.2	61.4	61.6	62.0	62.0	62.3	62.3	62.3	62.3
IV 3500		45.8	51.0	55.9	58.4	61.4	63.8	64.4	64.6	65.2	65.2	65.5	65.5	65.5	65.5
IV 3000		52.2	57.6	62.5	65.0	68.0	70.4	71.0	71.4	71.9	71.9	72.3	72.3	72.3	72.3
IV 2500		55.2	61.0	66.5	68.9	71.9	74.8	75.7	76.1	76.6	76.6	77.0	77.0	77.0	77.0
IV 2000		60.3	66.5	72.3	74.8	77.8	81.0	81.9	82.5	83.1	83.1	83.4	83.4	83.4	83.4
IV 1800		61.2	67.4	73.3	75.9	78.9	82.1	83.1	83.6	84.6	84.7	85.1	85.1	85.1	85.1
IV 1500		63.8	70.6	76.5	79.1	82.1	85.3	86.4	87.0	87.9	88.1	88.5	88.5	88.5	88.5
IV 1200		65.0	71.8	77.6	80.4	83.4	86.6	87.8	88.3	89.3	89.5	89.8	89.8	89.8	89.8
IV 1000		65.9	73.4	79.7	83.2	86.3	89.8	91.3	91.9	92.8	93.0	93.4	93.4	93.4	93.4
IV 900		65.9	73.4	79.7	83.2	86.3	89.8	91.3	91.9	92.8	93.0	93.4	93.4	93.4	93.4
IV 800		66.9	74.8	81.4	84.9	88.1	91.7	93.2	93.8	94.9	95.1	95.5	95.5	95.5	95.5
IV 700		67.2	75.1	81.9	85.7	88.9	92.5	94.2	94.9	96.0	96.2	96.6	96.6	96.6	96.6
IV 600		67.2	75.1	81.9	86.1	89.3	92.8	94.5	95.3	96.4	96.8	97.2	97.2	97.2	97.2
IV 500		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6
IV 400		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6
IV 300		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6
IV 200		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6
IV 100		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6
IV 0		67.2	75.1	81.9	86.1	89.3	93.0	94.7	95.5	96.6	97.0	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	29.5	31.0	31.2	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 10000	35.6	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	37.4	39.1	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 8000	39.3	41.0	41.6	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 7000	41.2	43.5	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 6000	42.3	44.6	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 5000	46.4	49.6	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4500	48.9	52.5	54.0	54.4	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4000	51.2	55.6	57.3	57.7	57.9	58.0	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 3500	55.9	60.2	61.9	62.3	62.6	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3000	63.8	68.2	70.1	70.5	70.9	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	68.2	73.6	75.7	76.4	76.8	77.6	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	72.8	78.7	81.2	82.0	82.4	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	74.9	81.2	83.9	84.7	85.2	86.0	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1600	78.2	85.6	88.5	89.5	90.0	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1400	79.7	87.2	90.0	91.2	91.8	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	80.1	87.5	90.4	92.0	92.5	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	81.2	88.9	91.8	93.3	93.9	95.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	82.2	90.0	93.1	94.6	95.2	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	82.6	90.4	94.1	95.6	96.2	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	82.6	90.4	94.3	95.8	96.4	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING		33.1	33.1	33.1	33.1	33.1	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000		43.0	43.2	43.2	43.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000		43.0	43.2	43.2	43.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 16000		43.0	43.2	43.2	43.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000		43.0	43.2	43.2	43.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 12000		43.0	43.2	43.2	43.2	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 10000		43.9	44.1	44.1	44.1	44.1	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000		45.5	45.7	45.7	45.7	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 8000		50.7	50.9	51.1	51.1	51.1	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 7000		54.7	55.1	55.7	55.7	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 6000		55.1	56.1	56.6	56.6	56.6	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 5000		57.8	59.0	60.3	60.3	60.3	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4500		61.7	62.8	64.4	64.5	64.7	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000		65.1	66.5	68.0	68.2	68.4	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3500		68.0	69.9	71.5	71.7	71.9	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3000		74.8	76.9	79.0	79.4	79.6	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500		80.0	83.0	85.4	85.7	85.9	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2000		82.7	86.1	88.6	89.0	89.2	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800		83.6	87.3	89.8	90.2	90.4	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500		85.5	90.0	92.5	92.9	93.1	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200		86.3	91.1	93.6	94.0	94.2	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000		86.5	91.3	94.0	94.4	94.6	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900		88.1	93.1	95.8	96.1	96.3	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		88.6	93.6	96.3	96.7	96.9	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		88.8	93.8	97.1	97.7	97.9	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		89.0	94.0	97.3	97.9	98.1	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		89.0	94.0	97.3	97.9	98.1	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 519

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	38.4	40.1	40.1	40.1	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000	46.4	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 18000	46.4	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 16000	46.4	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 14000	46.4	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 12000	46.4	48.1	48.1	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	48.5	50.2	50.2	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 9000	50.6	52.3	52.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000	57.0	58.6	58.6	58.6	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	62.0	64.1	64.1	64.1	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 6000	63.7	65.8	65.8	65.8	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 5000	66.7	68.8	69.2	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4500	70.0	72.2	73.0	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 4000	73.0	75.5	76.4	76.8	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3500	73.8	76.8	78.1	78.5	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3000	78.9	84.0	85.7	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500	83.1	88.6	90.7	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	84.4	89.9	92.4	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	85.2	91.6	94.1	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	85.7	92.0	94.5	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	86.5	93.2	95.8	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	87.3	94.1	96.6	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	87.8	94.9	97.5	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	87.8	94.9	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	88.2	95.4	98.3	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 237

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	18.1	25.7	26.6	31.0	32.0	35.9	38.1	38.7	40.0	40.2	40.4	40.8	41.1	41.3	43.4	
≥ 20000	21.3	29.7	33.5	36.6	38.3	42.1	44.6	45.3	46.7	46.9	47.0	47.4	47.8	48.0	50.3	
≥ 18000	21.3	29.7	33.5	36.6	38.3	42.1	44.6	45.3	46.7	46.9	47.0	47.4	47.8	48.0	50.3	
≥ 16000	21.3	29.7	33.5	36.6	38.3	42.1	44.6	45.3	46.7	46.9	47.0	47.4	47.8	48.0	50.3	
≥ 14000	21.3	29.7	33.5	36.6	38.3	42.1	44.6	45.3	46.7	46.9	47.0	47.4	47.8	48.0	50.3	
≥ 12000	21.3	29.7	33.5	36.6	38.3	42.1	44.6	45.3	46.7	46.9	47.0	47.4	47.8	48.0	50.3	
≥ 10000	22.3	31.0	34.9	38.1	39.8	43.6	46.3	47.2	48.6	48.8	49.3	49.7	50.1	50.3	52.6	
≥ 9000	23.0	31.8	35.6	38.9	40.6	44.6	47.2	48.2	49.5	49.7	50.3	50.9	51.2	51.4	53.7	
≥ 8000	24.8	34.7	39.2	43.0	44.8	49.1	52.8	53.7	55.0	55.6	56.4	57.0	57.7	57.9	60.2	
≥ 7000	25.9	35.8	40.6	44.4	47.0	51.8	55.4	57.1	58.5	59.0	59.8	60.4	61.1	61.3	63.6	
≥ 6000	27.2	37.1	41.9	45.7	48.4	53.1	56.8	58.5	59.8	60.4	61.1	61.7	62.5	62.7	65.0	
≥ 5000	29.5	39.4	44.2	48.0	50.7	55.6	59.2	61.0	62.3	62.9	63.8	64.4	65.1	65.3	67.6	
≥ 4500	30.3	40.4	45.7	49.5	52.2	57.1	60.8	62.7	64.0	64.6	65.5	66.1	66.9	67.0	69.3	
≥ 4000	31.2	41.7	47.2	51.0	53.9	59.2	63.8	65.9	67.4	68.0	69.0	69.5	70.3	70.5	72.8	
≥ 3500	32.4	43.2	48.8	52.8	55.6	61.5	66.1	68.4	69.9	70.5	71.4	72.0	72.8	73.0	75.2	
≥ 3000	33.5	44.8	50.5	54.7	57.5	63.4	68.2	70.5	72.8	73.3	74.5	75.0	75.8	76.0	78.2	
≥ 2500	34.7	46.1	52.0	56.4	59.2	65.9	70.9	73.3	75.8	76.8	77.9	78.5	79.2	79.4	81.7	
≥ 2000	35.4	47.0	53.0	57.9	60.8	67.4	72.4	74.9	77.5	78.9	80.0	80.6	81.7	81.9	84.2	
≥ 1800	35.6	47.2	53.1	58.1	61.0	68.0	73.0	75.4	78.1	79.4	80.6	81.1	82.3	82.5	84.8	
≥ 1500	37.0	48.8	54.7	59.8	62.7	69.7	75.0	77.9	81.0	82.5	83.6	84.2	85.5	85.7	88.0	
≥ 1200	38.5	50.3	56.2	61.5	64.8	71.8	77.1	80.0	83.0	84.6	85.7	86.3	87.6	87.8	90.1	
≥ 1000	39.0	50.9	56.8	62.5	65.7	73.0	78.7	81.5	84.8	86.3	87.4	88.2	89.5	89.7	92.0	
≥ 900	39.0	50.9	56.8	62.7	65.9	73.3	79.0	81.9	85.1	86.7	87.8	88.6	89.9	90.1	92.4	
≥ 800	39.0	50.9	56.8	62.7	65.9	73.3	79.0	81.9	85.1	86.7	87.8	88.6	89.9	90.1	92.4	
≥ 700	39.2	51.0	57.0	63.2	66.5	74.5	80.2	83.0	87.0	88.8	89.9	90.7	92.2	92.4	94.9	
≥ 600	39.2	51.0	57.0	63.2	66.5	74.5	80.2	83.0	87.0	88.8	89.9	90.7	92.2	92.4	94.9	
≥ 500	39.6	51.6	57.5	63.8	67.0	75.2	81.0	83.8	88.2	89.9	91.0	91.8	93.3	93.5	96.0	
≥ 400	39.8	52.0	57.9	64.2	67.4	75.6	81.3	84.2	88.6	90.3	91.4	92.2	93.9	94.1	96.5	
≥ 300	40.2	52.4	58.5	64.8	68.0	76.8	82.5	85.3	89.7	91.6	92.8	93.5	95.2	95.4	98.3	
≥ 200	40.2	52.4	58.5	64.8	68.0	76.8	82.5	85.3	89.7	91.6	92.8	93.5	95.2	95.4	98.3	
≥ 100	40.2	52.4	58.5	64.8	68.0	76.8	82.5	85.3	89.7	91.6	92.8	93.5	95.2	95.4	98.9	
≥ 0	40.2	52.4	58.5	64.8	68.0	76.8	82.5	85.3	89.7	91.6	92.8	93.5	95.2	95.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 525

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.7	31.3	34.8	36.6	37.9	39.6	40.5	40.5	40.7	40.7	40.7	40.9	40.9	40.9	40.9	41.1
≥ 20000	32.6	38.6	43.2	45.1	46.6	48.5	49.2	49.2	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.8
≥ 16000	32.6	38.6	43.2	45.1	46.6	48.5	49.2	49.2	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.8
≥ 14000	32.6	38.6	43.2	45.1	46.6	48.5	49.2	49.2	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.8
≥ 12000	32.8	38.8	43.4	45.3	46.8	48.7	49.4	49.4	49.6	49.6	49.8	49.8	49.8	49.8	49.8	50.0
≥ 10000	32.8	38.8	43.4	45.3	46.8	48.7	49.6	49.6	49.6	49.8	49.8	50.0	50.0	50.0	50.0	50.2
≥ 8000	33.5	39.6	44.1	46.2	47.7	49.8	50.6	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.1
≥ 7000	34.1	40.2	44.7	46.3	48.3	50.4	51.1	51.1	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.7
≥ 6000	36.2	42.6	48.1	50.9	52.7	55.1	56.1	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.6
≥ 5000	37.7	44.1	49.6	52.8	54.7	57.2	58.1	58.1	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.7
≥ 4500	39.6	46.0	51.5	54.7	56.8	59.1	60.0	60.0	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.6
≥ 4000	40.5	47.0	52.5	55.7	57.3	60.0	61.0	61.0	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.6
≥ 3500	40.9	47.9	53.6	56.8	58.7	61.2	62.3	62.3	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.9
≥ 3000	42.6	49.6	55.5	58.7	61.0	63.6	64.8	64.8	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.3
≥ 2500	45.1	52.3	58.1	61.4	63.8	67.0	68.2	68.2	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8
≥ 2000	48.5	56.6	62.5	66.5	69.1	72.5	73.7	73.7	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.4
≥ 1800	51.7	60.2	67.0	71.2	74.1	77.7	79.0	79.0	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.7
≥ 1600	54.2	62.9	69.9	74.4	77.5	81.6	83.1	83.1	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.9
≥ 1400	54.5	63.3	70.3	74.8	77.8	82.4	83.9	83.9	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.7
≥ 1200	56.1	65.0	72.2	76.7	79.7	84.7	86.6	86.6	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.9
≥ 1000	58.1	67.2	74.4	79.4	82.4	87.9	89.8	89.8	90.0	91.1	91.3	91.5	91.5	91.5	91.5	91.7
≥ 900	58.7	67.8	75.4	80.5	83.7	89.4	91.7	91.7	91.9	93.2	93.4	93.6	93.6	93.6	93.6	93.8
≥ 800	59.3	68.6	76.3	81.4	84.7	90.3	92.8	92.8	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.7
≥ 700	59.3	68.8	76.7	82.0	85.2	90.9	93.2	93.6	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.5
≥ 600	59.3	68.8	76.7	82.6	85.8	91.7	93.9	94.3	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.2
≥ 500	60.4	70.1	78.0	83.9	87.1	93.4	95.6	96.0	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.9
≥ 400	61.2	70.8	78.8	84.7	87.9	94.3	96.8	97.2	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.6
≥ 300	61.2	70.8	78.8	84.7	88.1	94.7	97.2	97.5	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0
≥ 200	61.2	70.8	78.8	84.7	88.1	94.7	97.2	97.5	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0
≥ 100	61.2	70.8	78.8	84.7	88.1	94.7	97.2	97.5	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0
≥ 0	61.2	70.8	78.8	84.7	88.1	94.7	97.2	97.5	99.2	99.4	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

34076 WESTHEIM GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥0	≥0	≥0	≥0	≥0
NO CEILING	30.1	30.3	31.1	31.1	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000	40.7	41.3	42.1	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000	41.1	41.9	42.7	42.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	44.8	46.5	47.5	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 7000	46.5	48.3	49.4	49.6	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 6000	50.0	51.7	52.9	53.1	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 5000	51.5	53.3	54.4	54.6	55.4	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	51.7	53.5	54.8	55.0	55.8	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000	54.4	56.2	57.7	57.9	58.7	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 3500	59.3	61.0	62.5	62.7	63.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	65.3	66.1	67.7	67.9	68.8	69.9	71.2	72.2	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 2500	72.2	75.1	77.2	77.4	78.8	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	75.7	79.0	81.7	81.9	83.2	84.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	75.9	79.2	81.9	82.0	84.0	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1500	78.4	82.0	83.5	83.7	85.0	86.6	89.6	90.7	90.7	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	79.2	83.2	87.6	88.4	90.9	93.1	94.2	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	79.5	83.8	88.2	89.0	91.5	93.6	94.8	94.8	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	79.5	83.8	88.8	89.8	92.3	94.4	95.6	95.6	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	80.1	84.4	89.4	90.5	93.2	95.4	96.5	96.5	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	80.9	85.1	90.2	91.3	94.0	96.1	97.3	97.3	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	81.3	85.5	90.5	91.7	94.4	96.5	97.7	97.7	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	81.3	85.7	90.7	91.9	94.8	96.9	98.1	98.1	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	81.3	85.7	90.9	92.1	95.2	97.5	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	81.3	85.7	90.9	92.1	95.2	97.5	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.3	85.7	90.9	92.1	95.2	97.5	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.3	85.7	90.9	92.1	95.2	97.5	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.3	85.7	90.9	92.1	95.2	97.5	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WEINHEIM GERMANY AAF
STATION NAME

65-70
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		32.8	32.8	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000		39.9	39.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 18000		39.9	39.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 16000		39.9	39.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 14000		39.9	39.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 12000		39.9	39.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 10000		41.5	41.5	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000		42.2	42.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 8000		47.9	48.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 7000		50.6	51.0	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 6000		52.3	52.7	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000		56.2	56.6	57.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4500		56.8	57.2	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000		62.6	63.6	66.1	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500		65.7	66.7	69.6	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3000		71.7	73.4	76.4	77.5	77.9	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500		76.9	79.1	83.1	84.3	84.7	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000		79.5	82.6	86.6	87.8	88.2	88.6	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800		80.4	83.5	87.6	88.8	89.7	90.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500		82.4	85.9	91.1	92.6	94.2	94.6	95.2	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200		83.5	87.2	92.8	94.4	96.3	96.7	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		84.3	88.0	93.6	95.2	97.1	97.5	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		84.3	88.0	93.6	95.2	97.1	97.5	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800		84.7	88.4	94.0	95.5	97.5	97.9	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700		84.7	88.4	94.0	95.5	97.5	97.9	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		84.7	88.4	94.0	95.5	97.5	97.9	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		84.7	88.4	94.0	95.5	97.5	97.9	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		85.3	89.0	94.8	96.3	98.3	98.6	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		85.3	89.0	94.8	96.3	98.3	98.6	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		85.3	89.0	94.8	96.3	98.3	98.6	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		85.3	89.0	94.8	96.3	98.3	98.6	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		85.3	89.0	94.8	96.3	98.3	98.6	99.2	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34076 WERTHEIM GERMANY AAF STATION NAME 65-70 YEARS JUN 64

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ 0
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	46.6	46.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 18000	46.6	46.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 16000	46.6	46.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 14000	46.6	46.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 12000	46.6	46.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 10000	47.0	47.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 9000	48.3	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	53.9	54.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 7000	58.2	58.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 6000	59.9	60.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 5000	64.2	64.7	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	65.5	65.9	68.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	68.1	68.5	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 3500	71.1	72.4	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000	73.0	77.6	80.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500	77.2	79.7	83.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	79.7	82.3	86.6	88.8	88.8	88.8	88.8	88.8	88.8	89.2	89.2	89.7	89.7	89.7	89.7	89.7
IV 1800	79.7	82.3	86.6	88.8	88.8	88.8	88.8	88.8	88.8	89.2	89.2	89.7	89.7	89.7	89.7	89.7
IV 1500	81.0	84.1	88.8	91.8	92.7	92.7	92.7	92.7	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0
IV 1200	81.0	85.3	90.5	93.5	94.4	94.8	94.8	94.8	94.8	95.7	95.7	96.1	96.1	96.1	96.1	96.1
IV 1000	82.8	87.1	92.2	95.3	96.1	96.6	96.6	96.6	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8
IV 900	82.8	87.1	92.2	95.3	96.1	96.6	96.6	96.6	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8
IV 800	83.2	87.5	92.7	95.7	96.6	97.0	97.0	97.0	97.0	97.8	97.8	98.3	98.3	98.3	98.3	98.3
IV 700	83.2	87.5	92.7	95.7	96.6	97.0	97.0	97.0	97.0	97.8	97.8	98.3	98.3	98.3	98.3	98.3
IV 600	83.2	87.9	93.1	96.1	97.4	97.8	97.8	97.8	97.8	98.7	98.7	99.1	99.1	99.1	99.1	99.1
IV 500	83.2	87.9	93.1	96.1	97.4	97.8	97.8	97.8	97.8	98.7	98.7	99.1	99.1	99.1	99.1	99.1
IV 400	84.1	88.8	94.0	97.0	98.3	98.7	98.7	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 300	84.1	88.8	94.0	97.0	98.3	98.7	98.7	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 200	84.1	88.8	94.0	97.0	98.3	98.7	98.7	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 100	84.1	88.8	94.0	97.0	98.3	98.7	98.7	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 0	84.1	88.8	94.0	97.0	98.3	98.7	98.7	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 232

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

63-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		17.6	22.2	24.8	28.2	28.8	33.0	34.7	34.8	37.9	38.8	39.4	39.8	40.2	40.2	41.1
≥ 20000		20.5	25.2	26.8	32.6	33.1	37.9	39.8	40.0	43.2	44.1	44.9	45.3	45.6	45.6	47.0
≥ 18000		20.5	25.2	26.8	32.6	33.1	37.9	39.8	40.0	43.2	44.1	44.9	45.3	45.6	45.6	47.0
≥ 16000		20.5	25.2	26.8	32.6	33.1	37.9	39.8	40.0	43.2	44.1	44.9	45.3	45.6	45.6	47.0
≥ 14000		20.5	25.2	26.8	32.6	33.1	38.1	40.2	40.3	43.6	44.5	45.3	45.6	46.0	46.0	47.3
≥ 12000		20.5	25.2	26.8	32.6	33.1	38.1	40.2	40.3	43.6	44.5	45.3	45.6	46.0	46.0	47.3
≥ 10000		21.4	26.3	30.5	34.3	34.8	39.8	41.9	42.0	45.3	46.2	47.0	47.3	47.7	47.7	49.2
≥ 9000		22.2	27.1	31.3	35.0	35.8	40.9	43.0	43.2	46.6	47.5	48.3	48.7	49.1	49.1	50.6
≥ 8000		24.4	30.9	35.2	39.0	39.8	45.8	48.1	48.3	51.9	53.0	54.0	54.4	54.7	54.7	56.4
≥ 7000		24.8	31.4	36.0	40.2	41.1	47.2	49.6	49.8	53.8	54.9	55.9	56.3	56.6	56.6	58.5
≥ 6000		25.9	33.0	37.7	41.9	42.8	49.1	51.5	51.7	55.7	56.8	57.8	58.1	58.5	58.5	60.6
≥ 5000		30.7	38.4	44.1	48.3	49.2	55.5	58.0	58.1	62.1	63.3	64.4	65.0	65.3	65.3	67.4
≥ 4500		33.0	42.0	47.7	52.5	54.0	60.8	63.3	63.4	67.4	68.6	69.7	70.3	70.6	70.6	72.7
≥ 4000		34.8	43.9	49.6	54.5	56.1	62.9	65.9	66.1	70.3	71.4	72.5	73.1	73.5	73.5	75.6
≥ 3500		37.9	47.7	53.8	59.1	60.6	67.4	70.5	70.6	74.8	75.9	77.1	77.7	78.0	78.0	80.1
≥ 3000		39.8	49.6	55.9	61.2	62.7	69.3	72.5	72.7	76.9	78.0	79.2	79.7	80.1	80.1	82.2
≥ 2500		41.3	51.5	58.0	63.3	64.8	71.6	74.6	74.8	79.0	80.1	81.3	81.8	82.2	82.2	84.3
≥ 2000		42.2	52.5	58.9	64.4	65.9	72.7	75.8	75.9	80.1	81.3	82.4	83.0	83.3	83.3	85.4
≥ 1800		42.2	52.5	58.9	64.4	65.9	72.7	75.8	76.1	80.3	81.4	82.6	83.1	83.7	83.7	85.8
≥ 1500		43.6	53.8	60.4	66.5	68.0	75.6	78.6	79.0	83.1	84.3	85.4	86.0	86.6	86.6	88.6
≥ 1200		43.9	54.7	61.4	67.4	68.9	76.9	79.9	80.3	84.5	85.6	86.7	87.3	87.9	87.9	90.0
≥ 1000		43.9	54.7	61.6	67.8	69.3	77.5	80.5	80.9	85.8	86.9	88.3	88.8	89.4	89.4	91.5
≥ 900		44.5	55.3	62.1	68.4	69.9	78.0	81.1	81.4	86.4	87.5	88.8	89.4	90.0	90.0	92.0
≥ 800		44.9	55.9	62.7	68.9	70.5	78.6	81.6	82.2	87.1	88.3	89.8	90.3	91.3	91.3	93.4
≥ 700		44.9	55.9	62.7	68.9	70.5	78.8	81.8	82.4	87.7	89.0	90.5	91.1	92.0	92.0	94.1
≥ 600		45.1	56.1	62.9	69.1	70.6	79.0	82.0	82.6	88.1	89.4	90.9	91.5	92.8	92.8	94.9
≥ 500		45.1	56.1	63.1	69.3	70.8	79.2	82.4	83.1	88.6	90.0	91.7	92.6	94.1	94.1	96.2
≥ 400		45.1	56.1	63.1	69.3	70.8	79.5	82.8	83.5	89.0	90.3	92.2	93.2	94.7	94.9	97.3
≥ 300		45.1	56.1	63.1	69.3	70.8	79.5	82.8	83.5	89.0	90.3	92.2	93.2	94.7	94.9	97.7
≥ 200		45.1	56.1	63.1	69.3	70.8	79.5	82.8	83.5	89.0	90.3	92.2	93.2	94.7	94.9	97.7
≥ 100		45.1	56.1	63.1	69.3	70.8	79.5	82.8	83.5	89.0	90.3	92.2	93.2	94.7	95.1	98.9
≥ 0		45.1	56.1	63.1	69.3	70.8	79.5	82.8	83.5	89.0	90.3	92.2	93.2	94.7	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION TOWN

65-70
YEARS

JUL
JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/2	≥0
NO CEILING		24.2	28.8	32.0	35.4	36.4	37.7	38.4	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 20000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 18000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 16000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 14000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 12000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 10000		28.8	33.3	36.6	40.0	40.9	42.2	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 9000		30.3	34.8	38.3	41.7	42.6	44.5	45.3	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 8000		34.5	39.4	43.4	47.3	48.3	50.2	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 7000		37.3	43.0	47.3	51.3	52.3	54.2	54.9	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 6000		38.6	44.5	48.9	52.8	53.8	55.7	56.4	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 5000		43.2	49.4	54.0	58.0	58.9	60.8	62.1	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4500		46.4	53.0	57.6	61.9	63.1	65.3	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 4000		50.6	57.2	61.7	66.5	67.6	69.9	70.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3500		51.9	58.7	63.4	68.4	69.7	72.0	73.3	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 3000		55.7	62.9	68.0	73.5	74.8	77.1	78.6	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2500		59.3	66.7	72.3	78.0	79.4	81.8	83.3	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2000		61.4	68.9	74.8	80.9	82.2	84.7	86.2	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1800		61.9	69.5	75.4	81.4	82.8	85.4	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500		65.0	72.7	78.6	85.2	86.6	89.2	91.1	91.9	92.8	92.8	92.8	92.8	93.0	93.0	93.0
IV 1200		65.5	73.5	79.4	86.0	87.5	90.2	92.0	92.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9
IV 1000		65.7	73.7	79.7	86.4	88.1	91.1	93.4	94.1	95.5	95.6	95.6	95.6	95.8	96.0	96.0
IV 900		66.1	74.1	80.1	86.7	88.4	91.5	93.8	94.5	95.8	96.0	96.0	96.0	96.2	96.4	96.4
IV 800		66.1	74.1	80.3	86.9	88.6	91.7	93.9	94.7	96.0	96.2	96.2	96.2	96.4	96.6	96.6
IV 700		66.5	74.6	80.9	87.5	89.2	92.4	94.9	95.6	97.2	97.3	97.3	97.3	97.5	97.7	97.7
IV 600		66.5	74.6	80.9	87.7	89.4	92.6	95.1	96.0	97.5	97.7	97.7	97.7	98.1	98.3	98.3
IV 500		66.5	74.6	80.9	87.7	89.4	92.6	95.1	96.0	97.5	97.7	97.7	97.7	98.1	98.3	98.3
IV 400		66.9	75.4	81.6	88.4	90.3	93.6	96.2	97.2	98.7	99.1	99.1	99.1	99.6	99.8	99.8
IV 300		66.9	75.4	81.6	88.4	90.3	93.6	96.2	97.2	98.7	99.1	99.1	99.1	99.6	99.8	99.8
IV 200		66.9	75.4	81.6	88.4	90.3	93.6	96.2	97.2	98.7	99.1	99.1	99.1	99.6	100.0	100.0
IV 100		66.9	75.4	81.6	88.4	90.3	93.6	96.2	97.2	98.7	99.1	99.1	99.1	99.6	100.0	100.0
IV 0		66.9	75.4	81.6	88.4	90.3	93.6	96.2	97.2	98.7	99.1	99.1	99.1	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/14C

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1220-1400
 HOURS CST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ .4
NO CEILING		23.9	30.1	30.7	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 20000		32.8	34.1	34.7	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000		32.8	34.1	34.7	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 16000		32.8	34.1	34.7	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 14000		32.8	34.1	34.7	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 12000		32.8	34.1	34.7	35.6	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 10000		32.8	34.1	34.7	36.0	36.0	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 9000		33.0	34.3	34.9	36.2	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 8000		36.2	37.7	38.3	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000		43.7	46.0	46.6	47.9	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 6000		45.8	48.1	48.7	50.0	50.0	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 5000		50.2	52.5	53.1	54.6	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 4500		53.1	55.7	56.3	57.9	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4000		58.8	61.5	62.1	63.6	63.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500		63.0	66.3	67.2	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000		69.5	73.8	74.7	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500		75.6	81.2	82.6	85.1	85.1	86.0	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000		80.7	85.8	87.2	89.8	89.8	90.8	91.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800		81.6	86.8	88.1	90.8	90.8	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500		84.7	89.8	91.2	93.9	93.9	94.8	95.0	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200		84.9	90.0	91.4	94.1	94.1	95.0	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000		84.9	90.6	92.1	94.8	94.8	95.8	96.0	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900		85.2	91.0	92.5	95.2	95.2	96.2	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800		85.4	91.2	92.7	95.6	95.6	96.9	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700		86.0	91.8	93.3	96.2	96.2	97.5	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600		86.0	91.8	93.3	96.2	96.2	97.5	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500		86.0	91.8	93.3	96.2	96.2	97.5	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		86.6	92.3	93.9	96.7	96.7	98.1	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		86.6	92.3	93.9	96.7	96.7	98.1	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		86.6	92.3	93.9	96.7	96.7	98.1	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		86.6	92.3	93.9	96.7	96.7	98.1	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		86.6	92.3	93.9	96.7	96.7	98.1	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1550-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING		36.4	36.6	37.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000		43.0	43.2	43.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000		43.0	43.2	43.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000		43.0	43.2	43.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000		43.0	43.2	43.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000		43.0	43.2	43.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000		43.4	43.5	43.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 9000		44.5	45.1	45.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 8000		48.4	48.6	48.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 7000		53.0	53.9	54.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 6000		56.5	58.0	58.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 5000		62.6	64.2	64.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500		68.0	69.6	69.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000		73.2	74.8	75.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500		75.5	77.8	77.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3000		80.5	83.6	84.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500		84.8	87.9	89.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000		87.1	90.9	92.1	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800		87.5	91.3	92.5	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500		87.7	91.5	92.7	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2
≥ 1200		88.2	92.3	93.4	95.6	95.6	95.6	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0
≥ 1000		88.4	92.5	93.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3
≥ 900		89.4	92.5	93.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3
≥ 800		88.8	93.1	94.2	96.3	96.3	96.7	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3
≥ 700		89.4	93.6	94.8	96.9	96.9	97.3	97.7	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9
≥ 600		89.6	93.8	95.0	97.1	97.1	97.5	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1
≥ 500		89.6	93.8	95.0	97.1	97.1	97.5	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1
≥ 400		89.8	94.0	95.3	97.9	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 300		89.8	94.0	95.3	97.9	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 200		89.8	94.0	95.3	97.9	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 100		89.8	94.0	95.3	97.9	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 0		89.8	94.0	95.3	97.9	98.1	98.7	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 519

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34C76 WERTHEIM GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING	36.6	37.0	37.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	45.5	46.0	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	45.5	46.0	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	45.5	46.0	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 14000	45.5	46.0	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 12000	45.5	46.0	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 10000	46.0	46.8	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	46.4	47.2	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 8000	48.5	49.4	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 7000	51.5	52.8	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	56.6	58.7	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	63.0	65.1	65.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	69.8	71.9	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	75.3	77.4	77.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	77.9	80.0	80.4	82.1	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	82.6	85.1	85.5	87.2	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	85.1	87.7	88.1	90.2	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	87.2	89.8	90.2	92.8	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	88.1	90.6	91.1	93.6	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	88.1	90.6	91.1	93.6	94.0	94.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	88.9	91.9	92.3	94.9	95.3	95.7	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	88.9	92.3	92.8	95.3	95.7	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	88.9	92.3	92.8	95.3	95.7	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	88.9	92.3	92.8	95.3	95.7	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	89.8	93.2	93.6	96.2	96.6	97.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	90.2	93.6	94.0	96.6	97.0	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 235

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34076 AERTHEIM GERMANY AAF

65-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	10.3	13.4	16.0	17.3	17.5	18.8	21.4	22.5	27.6	27.8	28.2	29.5	30.2	30.4	31.9	
≥ 20000	12.0	15.1	17.7	19.0	19.2	20.4	23.8	25.0	30.6	31.1	31.7	33.1	34.6	34.8	37.0	
≥ 18000	12.0	15.1	17.7	19.0	19.2	20.4	23.8	25.0	30.6	31.1	31.7	33.1	34.6	34.8	37.0	
≥ 16000	12.0	15.1	17.7	19.0	19.2	20.4	23.8	25.0	30.6	31.1	31.7	33.1	34.6	34.8	37.0	
≥ 14000	12.0	15.1	17.7	19.0	19.2	20.4	23.8	25.0	30.6	31.1	31.7	33.1	34.6	34.8	37.0	
≥ 12000	12.3	15.7	18.2	19.5	19.7	21.0	24.3	25.6	31.1	31.7	32.2	33.7	35.2	35.4	37.8	
≥ 10000	13.8	17.7	20.3	21.9	22.1	24.7	28.0	29.3	34.8	35.4	35.9	37.4	38.9	39.0	41.4	
≥ 9000	15.1	19.5	22.1	24.1	24.3	27.3	30.6	31.9	37.4	37.9	38.5	40.0	41.4	41.6	44.0	
≥ 8000	15.8	21.9	24.5	27.1	27.3	30.6	33.9	35.4	41.3	41.8	42.4	44.6	47.0	47.3	50.1	
≥ 7000	18.6	24.9	27.4	30.0	30.2	33.5	37.0	38.5	44.9	45.5	46.0	48.3	50.6	51.2	54.1	
≥ 6000	19.9	27.3	30.0	33.0	33.1	36.5	40.1	41.6	48.1	48.6	49.2	51.4	53.8	54.3	57.3	
≥ 5000	21.7	29.5	32.2	35.2	35.4	39.4	43.5	45.3	52.5	53.0	53.6	55.8	58.6	59.1	62.1	
≥ 4500	23.9	32.8	35.7	38.7	38.9	43.1	47.1	49.0	56.2	56.7	57.3	59.5	62.2	62.8	65.7	
≥ 4000	25.0	34.6	38.9	42.0	42.2	47.1	51.4	53.2	61.0	61.5	62.1	64.3	67.2	67.8	70.7	
≥ 3500	25.4	35.4	39.8	42.9	43.1	48.3	52.7	54.7	62.4	63.0	63.9	66.3	69.4	70.0	72.9	
≥ 3000	27.1	37.4	42.2	45.3	45.5	51.2	56.0	58.0	65.9	66.5	67.4	69.8	72.9	73.5	76.4	
≥ 2500	27.6	38.1	42.9	46.0	46.4	52.5	57.3	59.3	67.4	68.0	68.9	71.5	74.6	75.1	78.1	
≥ 2000	27.8	38.3	43.5	47.0	47.3	53.6	58.6	60.6	69.1	69.6	70.5	73.1	76.2	76.8	79.7	
≥ 1800	27.8	38.5	43.6	47.1	47.5	54.0	58.9	61.0	69.4	70.0	70.9	73.5	76.6	77.2	80.1	
≥ 1500	28.5	39.6	44.9	48.6	49.0	55.4	60.4	62.4	70.9	71.5	72.6	75.1	78.3	78.8	81.8	
≥ 1200	28.7	39.8	45.3	49.0	49.4	55.8	61.0	63.0	71.8	72.4	73.5	76.1	79.2	79.7	82.7	
≥ 1000	29.8	41.3	46.8	50.5	50.8	57.5	62.6	64.6	73.7	74.6	75.7	78.3	81.4	82.0	84.9	
≥ 900	30.2	41.6	47.5	51.2	51.6	58.2	63.4	65.4	74.4	75.3	76.4	79.0	82.1	82.7	85.6	
≥ 800	30.4	42.2	48.1	51.7	52.1	59.1	64.3	66.3	75.3	76.2	77.3	79.9	83.1	83.6	86.6	
≥ 700	31.1	42.9	48.8	52.5	52.9	60.2	65.4	67.4	76.4	77.3	78.5	81.2	84.3	84.9	87.8	
≥ 600	31.7	43.5	49.4	53.0	53.4	61.0	66.1	68.1	77.2	78.1	79.2	82.0	85.3	85.8	88.8	
≥ 500	31.7	43.5	49.4	53.0	53.4	61.0	66.1	68.1	77.5	78.5	79.6	82.3	86.0	86.6	89.7	
≥ 400	31.7	43.5	49.7	53.4	53.8	61.5	66.7	68.7	78.5	79.4	80.5	83.2	87.1	87.7	90.8	
≥ 300	31.7	43.5	49.7	53.4	53.8	61.7	66.9	68.9	78.6	79.9	81.0	83.9	87.7	88.4	91.9	
≥ 200	31.7	43.5	49.7	53.4	53.8	61.7	66.9	68.9	78.6	79.9	81.0	83.8	87.7	88.4	92.8	
≥ 100	31.7	43.5	49.7	53.4	53.8	61.7	66.9	68.9	78.6	79.9	81.0	83.8	87.7	88.4	96.3	
≥ 0	31.7	43.5	49.7	53.4	53.8	61.7	66.9	68.9	78.6	79.9	81.0	83.8	87.7	88.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 543

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ 0
NO CEILING	20.8	24.9	28.7	30.4	31.9	33.9	35.4	35.5	36.1	36.5	36.5	36.6	36.8	36.8	37.0	
≥ 20000	23.6	28.2	32.4	34.1	35.7	38.1	40.3	40.5	41.3	41.6	41.5	41.8	42.0	42.0	42.2	
≥ 18000	23.6	28.2	32.4	34.1	35.7	38.1	40.3	40.5	41.3	41.6	41.6	41.8	42.0	42.0	42.2	
≥ 16000	23.6	28.2	32.4	34.1	35.7	38.1	40.3	40.5	41.3	41.6	41.6	41.8	42.0	42.0	42.2	
≥ 14000	23.6	28.2	32.4	34.1	35.7	38.1	40.3	40.5	41.3	41.6	41.6	41.8	42.0	42.0	42.2	
≥ 12000	23.6	28.2	32.4	34.1	35.9	38.5	40.7	40.9	41.6	42.0	42.0	42.2	42.4	42.4	42.5	
≥ 10000	23.9	28.5	32.8	34.6	36.5	39.0	41.3	41.4	42.2	42.5	42.5	42.7	42.9	42.9	43.1	
≥ 9000	26.0	30.6	34.8	37.0	38.9	41.4	43.6	43.8	44.6	44.9	44.9	45.1	45.3	45.3	45.5	
≥ 8000	28.7	34.6	39.2	41.4	43.6	46.8	49.2	49.5	50.3	50.6	50.6	50.8	51.2	51.2	51.6	
≥ 7000	29.7	36.1	41.3	44.2	46.4	49.7	52.3	52.9	53.6	54.0	54.0	54.1	54.5	54.5	54.9	
≥ 6000	30.0	36.8	42.2	45.1	47.3	50.6	53.4	54.0	54.7	55.1	55.1	55.2	55.6	55.6	56.0	
≥ 5000	30.6	37.4	43.1	46.6	49.8	52.5	55.4	56.0	56.7	57.1	57.1	57.3	57.6	57.6	58.0	
≥ 4500	33.0	40.0	45.9	49.7	51.9	55.8	58.7	59.3	60.0	60.4	60.4	60.6	61.0	61.0	61.3	
≥ 4000	34.6	42.5	48.6	52.9	55.1	59.1	62.4	63.0	63.7	64.1	64.1	64.3	64.6	64.6	65.0	
≥ 3500	35.9	43.8	49.9	54.3	56.5	61.1	64.8	65.7	67.0	67.6	67.6	67.8	68.0	68.3	68.7	
≥ 3000	40.1	48.8	55.2	60.4	62.6	67.8	71.5	72.4	74.0	74.6	74.6	74.8	75.0	75.3	75.7	
≥ 2500	41.3	50.1	56.5	61.7	63.9	69.4	73.1	74.0	75.7	76.2	76.4	76.6	77.0	77.0	77.3	
≥ 2000	43.3	52.5	59.5	64.6	67.0	72.7	76.8	77.7	79.4	79.9	80.3	80.5	80.8	80.8	81.2	
≥ 1800	43.3	52.9	60.0	65.2	67.6	73.5	77.3	78.3	79.9	80.5	80.8	81.0	81.4	81.4	81.8	
≥ 1500	45.7	56.0	63.4	68.7	71.1	77.0	81.0	82.0	83.6	84.2	84.5	84.7	85.1	85.1	85.5	
≥ 1200	47.5	58.0	65.6	70.9	73.3	79.2	83.4	84.5	86.9	87.5	87.8	88.0	88.4	88.4	88.8	
≥ 1000	49.2	59.9	67.6	72.9	75.3	81.4	85.6	86.7	89.3	90.1	90.6	90.8	91.2	91.2	91.5	
≥ 900	49.5	60.4	68.1	73.5	75.9	82.0	86.2	87.3	90.1	90.6	91.2	91.3	91.7	91.7	92.1	
≥ 800	50.3	61.1	68.9	74.2	76.8	83.1	87.5	88.6	91.3	91.9	92.4	92.6	93.0	93.0	93.4	
≥ 700	50.3	61.1	69.1	74.4	77.0	83.4	87.8	89.0	92.1	92.6	93.2	93.4	93.7	93.7	94.1	
≥ 600	50.8	61.7	69.6	75.0	77.5	84.0	88.6	89.7	92.8	93.4	93.9	94.1	94.5	94.5	94.8	
≥ 500	50.8	61.9	69.8	75.1	77.7	84.2	88.8	89.9	93.2	93.9	94.5	94.7	95.0	95.0	95.6	
≥ 400	50.8	61.9	70.0	75.3	77.9	84.3	89.0	90.1	93.4	94.1	94.7	95.0	95.6	95.6	96.2	
≥ 300	50.8	61.9	70.0	75.3	77.9	84.3	89.0	90.1	93.4	94.1	94.7	95.4	95.9	96.5	97.4	
≥ 200	50.8	61.9	70.0	75.3	77.9	84.3	89.0	90.1	93.4	94.1	94.7	95.4	95.9	96.9	97.2	
≥ 100	50.8	61.9	70.0	75.3	77.9	84.3	89.0	90.1	93.4	94.1	94.7	95.4	95.9	96.9	97.2	
≥ 0	50.8	61.9	70.0	75.3	77.9	84.3	89.0	90.1	93.4	94.1	94.7	95.4	95.9	96.9	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 542

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

416

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1254-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	29.8	32.1	34.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	34.5	37.0	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 18000	34.5	37.0	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 16000	34.5	37.0	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 14000	34.5	37.0	39.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 12000	35.1	37.5	40.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 10000	35.8	38.3	40.7	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 9000	38.5	40.9	43.7	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 8000	42.8	45.6	48.8	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 7000	44.3	47.3	51.4	52.9	53.1	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 6000	45.2	48.4	52.5	54.2	54.4	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 5000	43.2	51.4	55.5	57.4	57.6	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4500	49.9	53.1	57.4	59.3	59.5	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4000	53.3	57.0	61.5	63.4	63.6	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500	56.1	60.6	65.3	67.7	67.9	68.1	68.5	68.9	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3000	66.2	71.9	76.2	81.1	81.2	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	68.9	75.6	82.4	85.2	85.4	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	70.4	77.5	84.6	87.4	87.6	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	70.9	78.0	85.2	88.0	88.2	88.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1600	73.0	80.3	87.4	90.2	90.4	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1400	74.5	81.8	89.1	91.9	92.1	92.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1200	75.0	83.1	90.6	93.4	93.6	93.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000	75.4	83.7	91.2	94.0	94.2	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	75.4	83.7	91.4	94.2	94.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	75.4	83.7	91.4	94.2	94.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 700	75.4	83.7	91.4	94.2	94.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 600	75.4	83.7	91.4	94.2	94.4	94.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500	75.8	84.1	91.7	95.3	95.5	95.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 400	76.0	84.4	92.1	95.7	95.9	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	76.0	84.4	92.1	95.7	95.9	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	76.0	84.4	92.1	95.7	95.9	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	76.0	84.4	92.1	95.7	95.9	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	76.0	84.4	92.1	95.7	95.9	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 533

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

62-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		32.6	34.1	36.2	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 15000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 7500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 5000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 3000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 750		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 300		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 200		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 100		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 0		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 15000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 7500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 5000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 3000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 1000		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 750		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 500		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 300		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 200		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 100		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 0		40.9	43.2	45.5	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6

TOTAL NUMBER OF OBSERVATIONS 526

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

ANG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING	39.9	41.6	43.3	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	46.2	49.2	50.8	51.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 18000	46.2	49.2	50.8	51.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 16000	46.2	49.2	50.8	51.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 14000	46.2	49.2	50.8	51.3	51.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 12000	46.6	49.6	51.3	51.7	51.7	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 10000	50.4	53.4	55.0	55.5	55.5	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 9000	53.4	57.1	58.8	59.2	59.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 8000	59.7	63.9	66.8	67.2	67.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 7000	61.8	66.4	69.3	69.7	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	65.1	69.7	72.7	73.1	73.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	67.2	72.3	75.2	75.6	75.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4500	70.6	75.6	78.6	79.0	79.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	72.1	79.0	82.4	82.8	82.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	73.9	80.3	83.6	84.0	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	80.7	87.4	91.2	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2500	81.1	88.7	92.4	92.9	93.3	94.5	94.5	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2000	81.1	88.7	93.3	93.7	94.1	95.4	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800	81.1	88.7	93.3	93.7	94.1	95.4	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1600	81.5	89.1	95.0	95.5	96.2	97.5	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1400	81.5	89.1	95.0	95.5	96.2	97.5	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	81.5	89.1	95.4	96.2	96.6	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	81.5	89.1	95.4	96.6	97.1	98.3	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 200	81.5	89.1	95.4	96.6	97.1	98.3	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 100	81.5	89.1	95.4	96.6	97.1	98.3	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0
IV 0	81.5	89.1	95.4	96.6	97.1	98.3	98.7	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 232

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	6.6	10.8	13.1	14.2	14.2	15.9	15.7	16.7	18.4	19.3	20.1	21.4	22.9	23.3	25.5	
≥20000	7.4	12.1	15.2	16.7	16.9	19.1	19.9	20.3	22.2	23.7	24.4	25.8	27.3	27.8	34.1	
IV 18000	7.4	12.1	15.2	16.7	16.9	19.1	19.9	20.3	22.2	23.7	24.4	25.8	27.3	27.8	34.1	
IV 16000	7.4	12.1	15.2	16.7	16.9	19.1	19.9	20.3	22.2	23.7	24.4	25.8	27.3	27.8	34.1	
IV 14000	7.4	12.1	15.2	16.7	16.9	19.1	19.9	20.3	22.2	23.7	24.4	25.8	27.3	27.8	34.1	
IV 12000	7.4	12.1	15.2	16.7	16.9	19.1	19.9	20.3	22.2	23.7	24.4	25.8	27.3	27.8	34.1	
IV 9000	7.4	12.1	15.3	17.0	17.2	19.7	20.6	21.0	23.1	24.6	25.4	26.7	28.2	28.8	35.0	
IV 8000	8.5	13.8	17.0	18.9	19.1	21.6	22.5	22.9	25.0	26.5	27.5	28.8	30.3	30.9	37.1	
IV 7000	9.5	14.8	18.6	20.6	21.2	23.7	25.6	25.9	28.2	30.1	31.4	33.0	34.5	35.0	41.3	
IV 6000	11.6	16.9	20.6	22.9	23.9	26.5	28.6	29.0	31.6	33.5	35.0	36.6	38.1	38.6	44.9	
IV 5000	12.1	17.6	21.4	23.7	24.6	27.3	29.4	29.7	32.4	34.3	35.9	37.5	39.2	39.8	47.0	
IV 4500	13.6	19.1	23.1	25.6	26.5	29.4	31.4	31.8	34.7	36.7	38.3	40.0	41.7	42.2	49.4	
IV 4000	14.4	20.5	24.4	26.9	27.8	31.3	33.3	34.1	36.9	39.0	40.5	42.2	43.9	44.5	51.7	
IV 3500	16.3	23.3	27.7	30.5	31.4	35.0	37.3	38.1	41.1	43.2	44.7	46.8	48.5	49.1	56.3	
IV 3000	17.8	25.4	29.9	32.8	34.1	37.7	40.7	41.5	44.5	46.6	48.1	50.2	52.1	52.7	59.8	
IV 2500	21.0	29.4	34.7	37.5	38.8	42.6	46.2	47.5	51.1	53.2	54.7	57.0	58.9	59.5	66.5	
IV 2000	22.9	31.4	36.7	39.6	40.9	45.5	49.1	50.4	54.2	56.3	58.1	60.4	62.7	62.3	70.6	
IV 1800	23.5	32.6	38.1	40.9	42.2	47.2	50.8	52.7	56.4	58.5	60.4	62.9	65.2	65.7	73.1	
IV 1500	23.7	32.8	38.3	41.1	42.4	47.3	50.9	52.8	56.6	58.7	60.6	63.1	65.3	65.9	73.3	
IV 1200	25.2	34.5	40.2	43.0	44.3	49.2	52.8	54.7	58.7	60.8	62.9	65.3	67.4	68.2	75.6	
IV 1000	25.4	34.7	40.3	43.2	44.5	49.6	53.2	55.1	59.7	61.7	63.8	66.3	68.6	69.1	76.5	
IV 900	25.8	35.0	40.9	43.8	45.3	50.6	54.2	56.1	61.0	63.1	65.2	67.6	69.9	70.5	77.8	
IV 800	26.3	35.6	41.5	44.3	45.8	51.1	55.1	57.0	61.9	64.0	66.1	68.6	70.8	71.4	78.8	
IV 700	26.3	35.6	41.5	44.3	45.8	51.3	55.3	57.4	62.3	64.4	66.5	68.9	71.2	71.8	79.2	
IV 600	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.0	79.4	
IV 500	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	
IV 400	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	
IV 300	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	
IV 200	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	
IV 100	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	
IV 0	26.3	35.6	41.5	44.5	46.0	51.5	55.5	57.6	62.5	64.6	66.7	69.1	71.4	72.3	79.4	

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WEST-EIN GERMANY AAF

65-73

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005	≥ 0.0025	≥ 0.001	≥ 0.0005	≥ 0.00025
NO CEILING	12.7	15.0	21.0	22.3	24.4	26.1	27.6	28.8	31.8	32.2	33.0	33.3	34.1	34.1	34.8	
≥ 20000	14.2	20.5	24.1	25.6	27.8	30.1	32.0	33.0	36.0	36.7	37.5	38.1	39.0	39.0	40.0	
≥ 18000	14.2	20.5	24.1	25.6	27.8	30.1	32.0	33.0	36.0	36.7	37.5	38.1	39.0	39.0	40.0	
≥ 16000	14.2	20.5	24.1	25.6	27.8	30.1	32.0	33.0	36.0	36.7	37.5	38.1	39.0	39.0	40.0	
≥ 14000	14.2	20.5	24.1	25.6	27.8	30.1	32.0	33.0	36.0	36.7	37.5	38.1	39.0	39.0	40.0	
≥ 12000	14.2	20.5	24.1	25.6	27.8	30.1	32.0	33.0	36.0	36.7	37.5	38.1	39.0	39.0	40.0	
≥ 10000	14.4	20.6	24.2	25.6	28.0	30.3	32.2	33.1	36.2	36.9	37.7	38.3	39.2	39.2	40.2	
≥ 9000	14.4	20.6	24.2	25.6	28.2	30.7	32.8	33.7	36.7	37.5	38.3	38.8	39.8	39.8	40.7	
≥ 8000	15.2	21.4	25.4	27.1	29.4	31.5	34.1	35.0	38.1	38.8	39.5	40.2	41.1	41.1	42.0	
≥ 7000	17.0	24.2	29.5	31.3	33.7	36.2	39.4	40.3	43.6	44.3	45.1	45.8	46.8	46.8	47.7	
≥ 6000	19.1	25.3	32.0	33.9	36.6	39.2	42.6	43.8	47.0	47.7	48.5	49.2	50.2	50.2	51.1	
≥ 5000	20.3	27.7	33.5	35.8	38.6	41.3	44.9	46.0	49.2	50.0	50.8	51.5	52.5	52.5	53.6	
≥ 4500	22.0	29.7	35.6	37.9	40.7	43.4	47.3	48.5	52.1	52.8	53.6	54.4	55.2	55.2	56.4	
≥ 4000	24.1	31.8	37.9	40.2	43.6	46.2	50.2	51.3	54.9	55.7	56.4	57.2	58.1	58.1	59.3	
≥ 3500	26.7	35.0	41.1	43.4	46.8	50.2	54.4	55.5	59.7	60.4	61.2	62.1	63.1	63.1	64.2	
≥ 3000	27.7	36.0	42.0	44.3	47.7	51.5	56.6	57.8	61.9	62.7	63.6	64.4	65.3	65.3	66.5	
≥ 2500	32.4	41.1	47.9	50.2	53.5	57.4	63.1	64.2	68.8	69.5	70.5	71.4	72.3	72.3	73.7	
≥ 2000	33.7	42.6	49.4	51.7	55.1	58.9	64.5	65.7	70.5	71.2	72.2	73.1	74.1	74.1	75.4	
≥ 1800	34.7	43.8	50.8	53.0	56.3	61.0	66.9	68.0	72.9	73.9	74.8	75.8	76.7	76.7	78.0	
≥ 1500	35.4	44.5	51.5	53.8	57.6	61.7	67.8	68.9	73.9	74.8	75.8	76.7	77.7	77.7	79.0	
≥ 1200	35.9	46.2	53.2	55.5	59.3	63.6	69.9	71.0	76.1	77.1	78.0	79.0	79.9	79.9	81.3	
≥ 1000	36.1	47.5	54.7	57.4	61.2	66.1	72.5	73.7	79.0	80.1	81.1	82.0	83.0	83.0	84.3	
≥ 900	36.6	46.3	55.5	58.1	61.9	66.9	73.7	74.8	81.1	82.4	83.3	84.3	85.2	85.2	86.6	
≥ 800	38.8	46.5	55.7	58.3	62.1	67.0	74.1	75.2	81.4	82.7	83.7	84.7	85.6	85.6	86.9	
≥ 700	39.0	48.7	55.9	58.7	62.5	67.6	74.5	75.8	82.0	83.3	84.3	85.2	86.2	86.2	87.5	
≥ 600	39.2	48.9	56.1	59.1	62.9	68.0	75.0	76.1	82.4	83.7	84.7	85.6	86.6	86.6	87.9	
≥ 500	39.4	49.1	56.3	59.3	63.1	68.2	75.2	76.3	82.6	83.9	84.8	85.8	86.7	86.7	88.1	
≥ 400	39.4	49.1	56.3	59.3	63.1	68.2	75.6	76.7	83.3	84.7	85.6	86.6	87.5	87.5	88.8	
≥ 300	39.4	49.1	56.3	59.3	63.1	68.2	75.6	76.7	83.5	85.0	86.0	87.3	88.8	89.0	90.7	
≥ 200	39.4	49.1	56.3	59.3	63.1	68.2	75.6	76.7	83.5	85.0	86.0	87.3	89.2	89.2	92.5	
≥ 100	39.4	49.1	56.3	59.3	63.1	68.2	75.6	76.7	83.7	85.2	86.2	87.7	89.4	90.2	96.2	
≥ 0	39.4	49.1	56.3	59.3	63.1	68.2	75.6	76.7	83.7	85.2	86.2	87.7	89.4	90.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

63-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .6	≥ .5	≥ 0
NO CEILING		28.1	31.0	34.0	35.9	37.3	38.8	39.9	39.9	40.3	40.3	40.3	40.3	40.5	40.5	40.9
≥ 20000		31.6	34.8	38.8	41.3	43.0	44.5	46.0	46.0	46.4	46.4	46.4	46.4	46.6	46.6	47.0
≥ 18000		31.6	34.8	38.8	41.3	43.0	44.5	46.0	46.0	46.4	46.4	46.4	46.4	46.6	46.6	47.0
≥ 16000		31.6	34.8	38.8	41.3	43.0	44.5	46.0	46.0	46.4	46.4	46.4	46.4	46.6	46.6	47.0
≥ 14000		31.6	34.8	38.8	41.3	43.0	44.5	46.0	46.0	46.4	46.4	46.4	46.4	46.6	46.6	47.0
≥ 12000		32.1	35.4	39.4	41.8	43.5	45.2	46.8	46.8	47.1	47.1	47.1	47.1	47.3	47.3	47.7
≥ 10000		33.1	36.3	40.3	42.8	44.5	46.2	47.7	47.7	48.1	48.1	48.1	48.1	48.3	48.3	48.7
≥ 9000		33.7	36.9	40.9	43.7	45.4	47.1	48.9	48.9	49.2	49.2	49.2	49.2	49.4	49.4	49.8
≥ 8000		35.4	38.6	43.3	45.8	48.5	50.2	52.1	52.1	52.5	52.5	52.5	52.5	52.7	52.7	53.0
≥ 7000		38.0	41.3	46.6	50.0	51.9	53.8	55.7	55.7	56.1	56.1	56.1	56.1	56.3	56.3	56.7
≥ 6000		40.1	43.7	49.0	52.5	54.4	56.3	58.2	58.2	58.6	58.6	58.6	58.6	58.7	58.7	59.1
≥ 5000		43.5	47.1	53.0	56.8	58.9	61.0	62.9	62.9	63.3	63.3	63.3	63.3	63.5	63.5	63.9
≥ 4500		45.1	48.7	54.6	58.4	60.5	62.5	64.4	64.4	64.8	64.8	64.8	64.8	65.0	65.0	65.4
≥ 4000		48.5	52.3	58.6	62.5	64.6	67.1	69.0	69.0	69.4	69.4	69.4	69.4	69.6	69.6	70.0
≥ 3500		49.2	53.4	59.9	63.9	66.0	68.4	70.3	70.3	70.7	70.7	70.7	70.7	70.9	70.9	71.3
≥ 3000		54.6	58.9	65.8	70.2	72.4	75.5	77.8	77.8	78.1	78.1	78.1	78.1	78.3	78.3	78.7
≥ 2500		58.4	63.7	70.9	76.0	78.3	81.4	83.7	83.7	84.2	84.2	84.2	84.2	84.4	84.4	84.8
≥ 2000		61.0	65.9	74.1	79.3	82.1	85.2	87.6	87.6	88.2	88.2	88.2	88.2	88.4	88.4	88.8
≥ 1800		61.8	67.9	75.3	80.4	83.3	86.3	88.6	88.6	89.2	89.2	89.2	89.2	89.4	89.4	89.8
≥ 1500		62.9	69.4	77.0	82.7	85.6	88.6	91.5	91.5	92.4	92.4	92.4	92.4	92.6	92.6	93.0
≥ 1200		64.3	70.7	78.7	84.6	87.5	90.5	93.3	93.3	94.3	94.3	94.3	94.3	94.5	94.5	94.9
≥ 1000		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 900		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 800		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 700		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 600		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 500		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 400		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 300		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 200		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 100		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2
≥ 0		64.8	71.5	79.5	85.4	88.2	91.3	94.1	94.1	94.7	94.7	94.7	94.7	95.0	95.0	95.2

TOTAL NUMBER OF OBSERVATIONS 526

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 FRIEDEM GERMANY AAF

65-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		37.1	38.9	41.1	41.5	42.9	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000		41.0	42.9	43.1	43.5	47.4	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000		41.0	42.9	43.1	43.5	47.4	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000		41.0	42.9	43.1	43.5	47.4	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000		41.0	42.9	43.1	43.5	47.4	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000		41.5	43.4	43.7	46.1	48.0	49.1	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 10000		42.9	43.1	47.4	47.8	49.7	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000		44.0	46.7	49.1	49.5	51.4	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000		49.1	52.8	56.4	56.8	58.7	59.8	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000		52.6	56.4	60.4	61.0	62.9	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000		53.0	58.9	62.9	63.8	66.1	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 5000		58.7	62.7	66.9	67.8	70.1	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500		60.2	64.2	68.4	69.3	71.6	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000		63.2	67.4	71.8	72.8	73.0	76.2	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500		65.1	69.5	73.9	74.9	77.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		72.4	77.3	82.3	84.4	86.7	87.8	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500		73.7	79.6	85.0	87.0	89.3	90.5	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000		75.2	81.7	87.8	89.9	92.2	93.3	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800		75.4	82.1	88.2	90.3	92.6	93.7	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500		76.6	83.2	89.7	91.8	94.1	95.2	95.6	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1200		77.1	83.8	90.3	92.6	94.9	96.0	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000		77.5	84.2	90.9	92.0	95.2	96.4	96.8	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		77.5	84.2	90.9	93.0	95.2	96.4	96.8	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		77.7	84.6	91.2	93.3	95.6	96.8	97.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		77.7	84.6	91.2	93.3	95.6	96.8	97.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		77.7	84.6	91.2	93.3	95.6	96.8	97.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		77.7	84.6	91.2	93.3	95.6	97.0	97.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		77.9	84.8	91.4	93.5	96.0	97.3	97.9	98.9	99.0	99.0	99.0	99.2	99.4	99.6	99.8
≥ 300		77.9	84.8	91.4	93.5	96.0	97.3	97.9	98.9	99.0	99.0	99.0	99.2	99.4	99.6	99.8
≥ 200		77.9	84.8	91.6	93.7	96.2	97.5	98.1	99.0	99.2	99.2	99.2	99.4	99.6	99.8	100.0
≥ 100		77.9	84.8	91.6	93.7	96.2	97.5	98.1	99.0	99.2	99.2	99.2	99.4	99.6	99.8	100.0
≥ 0		77.9	84.8	91.6	93.7	96.2	97.5	98.1	99.0	99.2	99.2	99.2	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 525

DATA PROCESSING DIVISIO
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		43.0	44.7	46.8	47.7	48.5	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000		49.8	51.5	54.5	55.7	57.4	59.6	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000		49.8	51.5	54.5	55.7	57.4	59.6	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 16000		49.8	51.5	54.5	55.7	57.4	59.6	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000		47.8	51.5	54.5	55.7	57.4	59.6	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000		50.6	52.3	55.3	56.6	58.3	60.4	60.4	60.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		51.5	53.6	56.6	57.9	59.6	61.7	61.7	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000		53.2	55.7	59.1	60.4	62.1	64.3	64.3	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 8000		57.4	60.4	64.7	66.0	67.7	69.8	69.8	69.8	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000		61.3	64.3	68.5	69.8	71.5	73.6	73.6	73.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000		62.1	66.0	70.6	72.3	74.5	77.4	77.4	77.4	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 5000		64.7	68.5	73.2	74.9	77.0	80.0	80.0	80.0	82.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500		65.5	69.4	74.0	75.7	77.9	80.9	80.9	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000		68.1	71.9	77.4	79.1	81.3	84.7	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		68.5	72.3	78.3	80.0	82.1	85.5	85.5	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000		71.1	75.3	83.4	85.5	87.7	91.1	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		72.8	77.0	85.1	87.2	89.4	92.8	92.8	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000		73.2	77.9	86.4	88.5	90.6	94.0	94.0	94.0	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800		74.5	79.1	87.7	89.8	91.9	95.3	95.3	95.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500		75.3	80.0	86.5	90.6	92.8	96.2	96.2	96.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		76.2	80.9	89.4	91.5	93.6	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400		77.0	81.7	90.2	92.8	94.9	98.3	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		77.0	81.7	90.2	92.8	94.9	98.3	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		77.0	81.7	90.2	92.8	94.9	98.3	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		77.0	81.7	90.2	92.8	94.9	98.3	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		77.0	81.7	90.2	92.8	94.9	98.3	98.3	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 235

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		3.6	5.2	6.0	7.4	8.0	8.5	10.3	11.8	12.3	13.0	13.2	13.7	14.8	15.6	20.4
≥ 20000		4.5	6.7	7.6	9.2	9.8	10.3	12.7	13.6	14.5	15.2	15.4	16.1	17.2	17.9	23.3
IV 18000		4.5	6.7	7.6	9.2	9.8	10.3	12.7	13.6	14.5	15.2	15.4	16.1	17.2	17.9	23.3
IV 16000		4.5	6.7	7.6	9.2	9.8	10.3	12.7	13.6	14.5	15.2	15.4	16.1	17.2	17.9	23.3
IV 14000		4.5	6.7	7.6	9.2	9.8	10.3	12.7	13.6	14.5	15.2	15.4	16.1	17.2	17.9	23.3
IV 12000		4.5	6.7	7.6	9.2	9.8	10.3	12.7	13.6	14.5	15.2	15.4	16.1	17.2	17.9	23.3
IV 10000		4.7	7.1	8.1	9.8	10.3	10.8	13.2	14.1	15.0	15.7	16.3	17.0	18.1	18.8	24.2
IV 9000		4.7	7.4	8.7	10.3	10.8	11.4	13.7	14.6	15.6	16.3	16.8	17.5	18.6	19.3	25.0
IV 8000		5.4	8.1	9.6	11.4	11.9	12.7	15.0	15.9	17.0	17.7	18.4	19.3	20.4	21.2	27.1
IV 7000		7.6	10.8	12.8	14.6	15.2	15.9	18.3	19.2	20.3	21.0	21.7	22.6	23.7	24.4	30.6
IV 6000		8.3	11.8	13.7	15.6	16.1	17.0	19.3	20.3	21.3	22.1	22.8	23.7	24.8	25.5	31.8
IV 5000		10.7	14.3	16.3	19.0	19.7	21.0	23.7	24.6	25.7	26.4	27.1	28.0	29.1	29.8	36.5
IV 4500		12.7	16.3	18.4	21.0	21.7	23.0	25.7	26.6	27.7	28.4	29.1	30.0	31.1	31.8	38.5
IV 4000		14.5	18.6	21.2	24.1	24.8	26.6	29.3	30.2	31.5	32.2	33.1	34.2	35.3	36.0	43.0
IV 3500		15.4	19.9	22.6	25.5	26.2	28.4	31.1	32.0	33.6	34.4	35.3	36.5	37.6	38.5	45.6
IV 3000		17.4	22.2	25.7	28.8	29.5	32.4	35.3	36.2	38.0	38.9	39.8	41.0	42.1	43.0	50.1
IV 2500		19.3	24.4	27.8	30.9	31.6	35.1	38.5	39.4	41.8	42.9	43.8	45.0	46.1	47.0	54.1
IV 2000		20.4	26.4	30.0	33.3	34.2	37.8	41.4	42.3	45.0	46.1	47.0	48.3	49.4	50.3	57.3
IV 1800		20.6	26.6	30.4	33.8	34.5	38.2	41.8	42.7	45.4	46.5	47.4	48.6	49.7	50.6	57.7
IV 1500		21.0	27.5	31.5	35.1	35.8	39.4	43.0	43.9	46.8	47.9	48.8	50.1	51.2	52.1	59.1
IV 1200		21.9	28.8	32.7	36.3	37.1	40.7	44.3	45.2	48.1	49.2	50.1	51.4	52.4	53.3	60.4
IV 1000		22.6	29.5	33.5	37.4	38.2	41.8	46.5	47.4	50.3	51.4	52.3	53.7	54.8	55.7	62.7
IV 900		22.8	29.7	33.6	37.8	38.5	42.3	47.0	47.9	51.0	52.1	53.0	54.6	55.7	56.6	63.7
IV 800		23.3	30.4	34.4	38.5	39.4	43.2	47.9	48.8	51.9	53.0	53.9	55.5	56.6	57.7	64.7
IV 700		24.2	31.5	35.6	39.8	40.9	45.2	49.9	50.8	54.4	55.4	56.4	57.8	59.3	60.6	67.5
IV 600		24.2	31.5	36.0	40.5	41.6	46.1	50.8	51.7	55.3	57.3	58.2	60.2	61.7	62.6	69.6
IV 500		25.0	32.2	36.7	41.2	42.3	46.8	51.5	52.4	56.2	58.2	59.1	61.1	62.7	63.7	70.7
IV 400		25.1	32.4	36.9	41.4	42.5	47.0	51.7	52.6	56.4	58.4	59.3	62.0	64.0	64.9	72.2
IV 300		25.1	32.4	36.9	41.4	42.5	47.0	51.7	52.6	56.6	58.8	60.0	62.7	64.9	66.0	74.1
IV 200		25.1	32.4	36.9	41.4	42.5	47.0	51.7	52.6	56.6	58.8	60.0	62.7	65.3	66.5	76.5
IV 100		25.1	32.4	36.9	41.4	42.7	47.2	51.9	52.8	56.8	59.0	60.2	62.9	65.8	67.1	83.4
0		25.1	32.4	36.9	41.4	42.7	47.2	51.9	52.8	56.8	59.0	60.2	62.9	65.8	67.1	100.0

TOTAL NUMBER OF OBSERVATIONS 553

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING		5.2	6.3	9.2	9.7	11.4	13.2	14.8	15.5	17.1	17.7	18.6	19.5	19.9	20.0	22.9
≥ 20000		7.6	9.0	12.1	12.6	14.3	16.1	17.7	18.4	20.0	20.6	21.5	22.6	22.9	23.1	26.4
IV 18000		7.6	9.0	12.1	12.6	14.3	16.1	17.7	18.4	20.0	20.6	21.5	22.6	22.9	23.1	26.4
IV 16000		7.6	9.0	12.1	12.6	14.3	16.1	17.7	18.4	20.0	20.6	21.5	22.6	22.9	23.1	26.4
IV 14000		7.6	9.0	12.1	12.6	14.3	16.1	17.7	18.4	20.0	20.6	21.5	22.6	22.9	23.1	26.4
IV 12000		7.6	9.2	12.3	12.8	14.4	16.2	17.9	18.6	20.2	20.8	21.7	22.7	23.1	23.3	26.5
IV 10000		8.3	10.1	13.2	13.7	15.5	17.3	19.1	19.7	21.3	21.8	22.7	23.3	24.2	24.4	27.6
IV 9000		9.0	10.8	14.4	15.0	16.8	18.6	20.2	20.9	22.6	23.1	24.0	25.1	25.5	25.6	28.9
IV 8000		10.3	12.1	15.7	16.2	18.1	19.9	21.5	22.2	24.2	24.7	25.6	26.7	27.3	27.4	30.9
IV 7000		11.9	14.3	18.1	18.8	20.6	22.7	24.4	25.1	27.1	27.6	28.5	29.6	30.1	30.3	33.8
IV 6000		13.0	15.3	19.1	20.0	21.8	24.0	25.8	26.5	28.9	29.6	30.5	31.6	32.3	32.5	35.9
IV 5000		15.0	17.3	21.1	22.0	24.4	26.5	28.3	29.1	31.6	32.5	33.6	34.7	35.4	35.6	39.4
IV 4500		17.1	19.9	23.6	24.5	26.9	29.1	30.9	31.6	34.1	35.0	36.1	37.2	37.9	38.1	41.9
IV 4000		19.3	22.0	25.8	26.9	29.2	31.4	33.6	34.3	36.8	37.9	39.2	40.3	41.0	41.2	44.9
IV 3500		20.2	23.1	27.3	28.3	30.9	33.4	35.6	36.3	39.0	40.1	41.3	42.4	43.1	43.3	47.1
IV 3000		24.4	28.0	32.5	33.6	36.3	39.0	41.2	41.9	45.1	46.4	48.0	49.1	49.8	50.0	53.8
IV 2500		26.0	30.0	34.5	35.6	38.4	42.1	44.4	45.1	48.6	49.8	51.4	52.5	53.2	53.4	57.2
IV 2000		26.5	31.0	35.6	36.6	39.7	43.3	45.8	46.6	50.0	51.3	52.9	54.0	54.7	54.9	58.7
IV 1800		26.7	31.4	35.9	37.2	40.3	43.9	46.4	47.1	50.7	52.0	53.6	54.7	55.4	55.6	59.4
IV 1500		28.0	33.4	37.9	39.5	42.6	46.2	48.7	49.5	53.8	55.1	56.7	57.8	58.5	58.7	62.5
IV 1200		28.5	33.9	38.4	40.1	43.1	46.8	49.5	50.2	55.1	56.3	57.9	59.0	59.7	59.9	63.7
IV 1000		29.2	34.8	39.4	41.0	44.0	48.0	50.7	51.4	56.7	58.8	60.5	61.6	62.3	62.5	66.2
IV 900		30.9	36.5	41.0	42.8	45.8	49.8	52.5	53.2	58.5	60.6	62.3	63.4	64.1	64.3	68.1
IV 800		31.8	37.4	41.9	44.2	47.7	51.6	54.7	55.8	61.2	63.3	65.2	66.2	67.0	67.1	71.1
IV 700		33.0	39.0	43.7	46.0	49.5	53.4	56.5	57.8	63.4	65.7	67.5	68.8	69.5	69.7	73.6
IV 600		33.8	39.9	44.6	46.9	50.4	54.3	57.6	59.0	65.2	67.7	69.5	70.8	71.5	71.7	75.6
IV 500		33.8	40.1	45.1	47.5	50.9	54.9	58.1	59.7	65.9	68.4	70.2	71.7	72.4	72.6	76.5
IV 400		33.9	40.3	45.3	47.7	51.1	55.1	58.3	59.9	66.1	68.6	70.8	72.7	73.6	73.8	77.8
IV 300		33.9	40.3	45.3	47.7	51.1	55.1	58.3	59.9	66.1	68.6	70.8	73.6	74.5	74.9	80.0
IV 200		33.9	40.3	45.3	47.7	51.1	55.1	58.3	59.9	66.1	68.6	70.8	73.6	75.1	75.5	83.8
IV 100		33.9	40.3	45.3	47.7	51.3	55.2	58.5	60.1	66.2	68.8	70.9	73.8	75.3	76.2	89.7
IV 0		33.9	40.3	45.3	47.7	51.3	55.2	58.5	60.1	66.2	68.8	70.9	73.8	75.3	76.2	100.0

TOTAL NUMBER OF OBSERVATIONS 554

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

65-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		15.5	17.5	22.0	23.5	25.3	26.5	28.4	28.7	31.6	31.6	32.0	32.0	32.0	32.0	32.0
≥ 20000		18.2	20.2	25.3	26.7	28.5	29.8	32.2	32.5	35.6	35.8	36.2	36.4	36.4	36.4	36.4
≥ 18000		18.2	20.2	25.3	26.7	28.5	29.8	32.2	32.5	35.6	35.8	36.2	36.4	36.4	36.4	36.4
≥ 16000		18.2	20.2	25.3	26.7	28.5	29.8	32.2	32.5	35.6	35.8	36.2	36.4	36.4	36.4	36.4
≥ 14000		18.2	20.2	25.3	26.7	28.5	29.8	32.2	32.5	35.6	35.8	36.2	36.4	36.4	36.4	36.4
≥ 12000		18.2	20.2	25.3	26.7	28.5	29.8	32.2	32.5	35.6	35.8	36.2	36.4	36.4	36.4	36.4
≥ 10000		18.9	20.9	26.0	27.5	29.3	30.5	32.9	33.3	36.5	36.7	37.1	37.3	37.3	37.3	37.3
≥ 9000		20.9	23.1	28.4	30.0	31.6	33.1	35.8	36.2	39.6	39.8	40.2	40.4	40.4	40.4	40.4
≥ 8000		23.1	25.8	31.1	32.9	34.7	36.0	39.3	39.6	43.3	43.3	44.0	44.2	44.2	44.2	44.4
≥ 7000		26.2	29.3	34.5	36.4	38.2	39.6	42.9	43.3	46.9	47.1	47.6	47.8	47.8	47.8	48.0
≥ 6000		26.5	29.6	34.9	36.7	38.5	40.0	43.3	43.6	47.3	47.5	48.0	48.4	48.4	48.4	48.5
≥ 5000		28.2	31.5	36.7	38.9	40.9	42.4	45.6	46.0	49.6	49.8	50.4	50.7	50.7	50.7	50.9
≥ 4500		30.0	33.5	38.9	41.1	43.1	44.5	47.8	48.2	51.8	52.0	52.5	52.9	52.9	52.9	53.1
≥ 4000		34.2	38.2	43.8	46.2	48.2	49.6	52.9	53.3	56.9	57.1	57.8	58.2	58.2	58.2	58.4
≥ 3500		35.5	39.5	45.1	47.5	49.5	51.1	54.7	55.1	58.7	58.9	59.6	60.0	60.0	60.0	60.2
≥ 3000		40.5	45.3	51.5	54.2	56.2	57.8	61.5	61.8	65.8	66.2	67.1	67.5	67.5	67.5	67.6
≥ 2500		42.4	47.8	54.0	56.9	59.5	61.1	64.7	65.1	69.3	69.6	70.5	70.9	70.9	70.9	71.1
≥ 2000		44.0	49.5	55.6	58.7	61.5	63.1	67.1	67.5	71.6	72.0	72.9	73.3	73.3	73.3	73.5
≥ 1800		44.4	49.8	56.0	59.1	61.8	63.5	67.5	67.8	72.0	72.4	73.3	73.6	73.6	73.6	73.8
≥ 1500		46.4	51.8	58.2	61.5	64.2	65.8	69.8	70.2	74.4	74.7	75.6	76.0	76.0	76.0	76.2
≥ 1200		47.5	52.9	59.8	63.3	66.0	67.6	71.5	72.4	76.4	76.7	77.6	78.0	78.0	78.0	78.2
≥ 1000		48.0	53.5	60.4	63.8	66.5	68.4	72.7	73.1	77.3	77.6	78.7	79.1	79.1	79.1	79.3
≥ 900		48.2	53.6	60.5	64.7	67.6	70.2	74.7	75.1	79.3	79.6	80.7	81.1	81.1	81.1	81.3
≥ 800		48.7	54.2	61.1	65.5	68.4	71.5	76.5	77.1	81.8	82.4	83.5	83.8	83.8	83.8	84.0
≥ 700		49.3	54.9	61.8	66.4	69.5	72.5	77.8	78.4	83.1	83.6	84.7	85.5	85.6	85.6	85.8
≥ 600		49.5	55.1	62.0	66.5	69.6	72.7	78.7	79.6	85.3	85.8	87.1	87.8	88.0	88.0	88.2
≥ 500		50.2	55.3	62.9	67.5	70.3	73.6	80.4	81.5	87.3	88.0	89.3	90.0	90.4	90.4	90.5
≥ 400		50.5	56.2	63.3	68.0	71.1	74.4	81.1	82.2	88.0	88.7	90.5	91.5	92.0	92.0	92.4
≥ 300		50.5	56.2	63.3	68.0	71.1	74.4	81.1	82.2	88.0	88.7	90.7	92.4	93.8	94.0	94.7
≥ 200		50.5	56.2	63.3	68.0	71.1	74.4	81.1	82.2	88.0	88.7	90.7	92.4	94.0	94.2	96.0
≥ 100		50.5	56.2	63.3	68.0	71.1	74.4	81.1	82.2	88.0	88.7	90.7	92.4	94.0	94.2	99.3
≥ 0		50.5	56.2	63.3	68.0	71.1	74.4	81.1	82.2	88.0	88.7	90.7	92.4	94.0	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS 550

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076
STATION

WERTHEIM GERMANY AAF
STATION NAME

65-70
YEAR

501
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		21.9	23.9	26.6	26.2	29.3	30.2	33.5	33.5	33.9	35.9	36.1	36.1	36.1	36.1	36.1
≥ 20000		25.9	27.9	31.9	34.1	33.3	37.0	40.8	40.8	43.5	43.5	43.7	43.7	43.7	43.7	43.7
≥ 18000		25.9	27.9	31.9	34.1	35.3	37.0	40.8	40.8	43.5	43.5	43.7	43.7	43.7	43.7	43.7
≥ 16000		25.9	27.9	31.9	34.1	35.3	37.0	40.8	40.8	43.5	43.5	43.7	43.7	43.7	43.7	43.7
≥ 14000		25.9	27.9	31.9	34.1	35.3	37.0	40.8	40.8	43.5	43.5	43.7	43.7	43.7	43.7	43.7
≥ 12000		26.4	28.4	32.4	34.6	35.9	37.5	41.3	41.3	44.1	44.1	44.3	44.3	44.3	44.3	44.3
≥ 10000		27.1	29.1	33.2	35.2	35.6	38.3	42.1	42.1	44.8	44.8	45.0	45.0	45.0	45.0	45.0
≥ 9000		28.4	30.4	34.4	36.6	37.9	39.9	43.9	43.9	46.6	46.6	46.8	46.8	46.8	46.8	46.8
≥ 8000		29.7	31.7	36.1	38.3	39.3	41.5	45.5	45.5	48.3	48.3	48.5	48.5	48.5	48.5	48.5
≥ 7000		32.8	34.8	39.3	41.5	42.8	44.8	49.2	49.2	52.3	52.3	52.5	52.5	52.5	52.5	52.5
≥ 6000		34.8	37.0	41.7	43.9	45.5	47.5	51.7	51.7	55.0	55.0	55.2	55.2	55.2	55.2	55.2
≥ 5000		35.6	39.2	44.3	46.4	48.1	50.3	54.6	54.6	57.7	57.7	57.9	57.9	57.9	57.9	57.9
≥ 4500		38.1	40.6	45.7	47.9	49.5	51.7	56.1	56.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4
≥ 4000		41.3	44.3	50.1	52.3	53.9	56.1	60.5	60.5	63.6	63.6	63.9	63.9	63.9	63.9	63.9
≥ 3500		44.1	47.2	53.0	55.2	57.0	59.4	63.8	63.8	66.8	66.8	67.2	67.2	67.2	67.2	67.2
≥ 3000		50.5	54.5	61.7	64.5	66.7	69.0	73.6	73.6	76.7	76.7	77.4	77.4	77.4	77.4	77.4
≥ 2500		52.3	56.6	64.7	67.9	70.3	72.9	77.4	77.4	80.7	80.7	81.4	81.4	81.4	81.4	81.4
≥ 2000		53.6	57.9	65.9	69.2	71.6	74.1	78.7	78.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7
≥ 1800		53.6	58.1	66.7	69.9	72.3	74.9	79.4	79.4	82.7	82.7	83.4	83.4	83.4	83.4	83.4
≥ 1500		54.3	59.0	67.6	71.6	74.0	76.7	81.4	81.4	84.7	84.7	85.6	85.6	85.6	85.6	85.6
≥ 1200		55.6	60.3	68.9	72.9	75.2	78.5	83.6	83.6	86.9	86.9	87.8	87.8	87.8	87.8	87.8
≥ 1000		56.1	60.8	69.4	73.6	76.0	79.5	84.9	84.9	88.2	88.2	89.1	89.1	89.1	89.1	89.1
≥ 900		56.6	61.6	70.3	74.7	77.2	81.1	86.2	86.2	89.4	89.4	90.3	90.3	90.3	90.3	90.3
≥ 800		57.2	62.5	71.2	75.6	78.1	82.1	87.4	87.4	90.9	90.9	91.3	91.3	91.3	91.3	91.3
≥ 700		57.2	62.7	71.8	76.3	79.1	83.1	88.3	88.3	91.8	91.8	92.9	92.9	92.9	92.9	92.9
≥ 600		57.4	62.8	71.9	76.5	79.2	83.2	89.3	89.3	92.9	92.9	94.2	94.2	94.2	94.2	94.2
≥ 500		57.7	63.2	72.3	77.0	79.8	83.8	90.3	90.3	94.0	94.0	95.3	95.3	95.3	95.3	95.3
≥ 400		57.7	63.2	72.9	77.4	80.1	84.2	90.7	90.7	94.4	94.4	96.5	96.5	96.5	96.5	96.5
≥ 300		57.7	63.2	72.9	77.4	80.1	84.2	90.7	90.7	94.4	94.4	96.5	96.5	96.5	96.5	96.5
≥ 200		57.7	63.2	72.9	77.4	80.1	84.2	90.7	90.7	94.4	94.4	96.5	96.5	96.5	96.5	96.5
≥ 100		57.7	63.2	72.9	77.4	80.1	84.2	90.7	90.7	94.4	94.4	96.5	96.5	96.5	96.5	96.5
≥ 0		57.7	63.2	72.9	77.4	80.1	84.2	90.7	90.7	94.4	94.4	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 549

USAFETAC

FORM
AR 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34076 WERTHEIM GERMANY AAF

63-70

YEARS

ICL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING		24.7	28.4	31.3	33.3	33.3	35.0	39.1	39.9	40.7	40.7	41.2	41.2	41.2	41.6	41.6
≥ 20000		28.4	32.5	36.2	40.3	40.3	42.0	46.5	47.3	48.6	48.6	49.0	49.0	49.0	49.4	49.4
≥ 18000		28.4	32.5	36.2	40.3	40.3	42.0	46.5	47.3	48.6	48.6	49.0	49.0	49.0	49.4	49.4
≥ 16000		28.4	32.5	36.2	40.3	40.3	42.0	46.5	47.3	48.6	48.6	49.0	49.0	49.0	49.4	49.4
≥ 14000		28.4	32.5	36.2	40.3	40.3	42.0	46.5	47.3	48.6	48.6	49.0	49.0	49.0	49.4	49.4
≥ 12000		28.4	32.5	36.2	40.3	40.3	42.0	46.5	47.3	48.6	48.6	49.0	49.0	49.0	49.4	49.4
≥ 10000		28.8	32.9	36.6	40.7	40.7	42.4	46.9	47.7	49.4	49.4	49.8	49.8	49.8	50.2	50.2
≥ 9000		30.0	35.0	39.1	43.2	43.2	44.9	49.4	50.2	51.9	51.9	52.3	52.3	52.3	52.7	52.7
≥ 8000		30.0	35.0	39.5	43.6	43.6	45.3	49.8	50.6	52.7	52.7	53.1	53.1	53.1	53.5	53.5
≥ 7000		31.7	37.9	42.4	46.5	46.5	48.1	53.1	53.9	56.4	56.4	56.8	56.8	56.8	57.2	57.2
≥ 6000		32.9	39.5	44.0	48.1	48.1	49.8	55.1	56.0	58.4	58.4	58.8	58.8	58.8	59.3	59.3
≥ 5000		34.2	41.6	46.9	51.9	51.9	53.9	59.3	60.1	62.6	62.6	63.0	63.0	63.0	63.4	63.4
≥ 4500		36.2	43.6	49.0	53.9	53.9	56.0	61.3	62.1	64.6	64.6	65.0	65.0	65.0	65.4	65.4
≥ 4000		39.1	46.5	52.3	57.2	57.2	59.3	64.6	65.4	67.9	67.9	68.3	68.3	68.3	68.7	68.7
≥ 3500		41.2	49.0	55.1	60.1	60.1	63.0	68.3	69.1	71.6	71.6	72.0	72.0	72.0	72.4	72.4
≥ 3000		44.9	52.7	60.5	65.8	65.8	70.0	75.7	76.5	79.4	79.4	80.2	80.2	80.2	80.7	80.7
≥ 2500		46.5	54.3	63.0	69.1	70.4	73.3	79.0	79.8	83.1	83.1	84.0	84.0	84.0	84.4	84.4
≥ 2000		47.7	55.6	64.2	70.4	71.6	74.5	80.2	81.1	84.4	84.4	85.2	85.2	85.2	85.6	85.6
≥ 1800		47.7	56.0	64.6	70.8	72.0	74.9	80.7	81.5	84.8	84.8	85.6	85.6	85.6	86.0	86.0
≥ 1500		47.7	56.0	64.6	70.8	72.0	76.1	81.9	82.7	86.0	86.0	87.2	87.2	87.2	87.7	87.7
≥ 1200		49.4	57.6	66.3	72.4	73.7	77.8	84.4	85.2	88.5	88.5	89.7	89.7	89.7	90.1	90.1
≥ 1000		49.4	57.6	66.3	72.8	74.1	78.2	84.8	85.6	88.9	88.9	90.1	90.1	90.1	90.5	90.5
≥ 900		49.8	58.4	67.1	73.7	74.9	79.0	85.6	86.4	89.7	89.7	90.9	90.9	90.9	91.4	91.4
≥ 800		50.6	59.3	67.9	74.5	75.7	79.8	86.4	87.2	90.5	90.5	91.8	91.8	91.8	92.2	92.2
≥ 700		50.6	59.3	68.3	74.9	76.1	80.2	86.8	87.7	90.9	90.9	92.2	92.2	92.2	92.6	92.6
≥ 600		50.6	59.3	68.3	74.9	76.1	80.2	87.2	88.5	91.8	91.8	93.4	93.4	93.4	93.8	93.8
≥ 500		50.6	59.3	68.3	74.9	76.1	80.2	88.9	90.1	93.4	93.4	95.1	95.1	95.1	95.5	95.5
≥ 400		50.6	59.3	68.3	74.9	76.1	80.7	89.3	90.5	93.8	93.8	95.5	95.5	95.5	96.3	96.3
≥ 300		50.6	59.3	68.3	74.9	76.1	80.7	89.3	90.5	93.8	93.8	95.5	95.5	95.5	96.7	96.7
≥ 200		50.6	59.3	68.3	74.9	76.1	80.7	89.3	90.5	93.8	93.8	95.5	95.5	95.5	97.1	97.1
≥ 100		50.6	59.3	68.3	74.9	76.1	80.7	89.3	90.5	93.8	93.8	95.5	95.5	95.5	97.5	97.5
≥ 0		50.6	59.3	68.3	74.9	76.1	80.7	89.3	90.5	93.8	93.8	95.5	95.5	95.5	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 243

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-70

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/5	≥1/10	≥0
NO CEILING		4.4	6.9	8.2	9.6	10.0	10.9	12.3	12.6	12.6	12.8	13.2	13.3	13.5	13.7	13.4
≥ 20000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 18000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 16000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 14000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 12000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 10000		5.3	8.9	10.3	11.9	12.3	13.2	14.6	14.9	14.9	15.1	15.7	15.8	16.0	16.5	19.4
≥ 9000		5.9	9.4	10.9	12.6	13.2	14.2	15.7	16.0	16.2	16.4	16.9	17.1	17.2	19.6	22.6
≥ 8000		7.1	11.0	12.6	14.8	15.3	17.1	18.5	19.0	19.2	19.4	19.9	20.1	22.2	22.6	23.8
≥ 7000		8.4	12.5	14.8	17.6	18.1	20.8	21.7	22.2	22.4	22.6	23.1	23.3	25.4	26.0	27.2
≥ 6000		8.9	13.2	15.5	18.3	18.9	21.4	23.0	23.8	24.0	24.2	24.7	24.9	27.0	27.6	29.0
≥ 5000		10.5	15.3	17.6	20.8	21.4	24.0	25.8	26.7	26.9	27.0	27.6	27.9	30.1	30.6	32.2
≥ 4500		11.6	16.4	18.7	21.9	22.4	25.1	27.0	27.9	28.1	28.3	28.8	29.2	31.3	31.9	33.5
≥ 4000		14.2	19.4	22.2	25.6	26.2	29.0	31.5	32.4	33.1	33.3	34.0	34.7	36.8	37.4	39.0
≥ 3500		15.1	20.3	23.1	26.9	27.4	30.4	32.9	33.8	34.5	34.9	35.4	36.1	38.4	39.0	40.6
≥ 3000		17.8	23.5	26.7	30.8	31.5	35.1	37.9	38.8	39.5	39.9	40.4	41.1	43.4	44.0	45.6
≥ 2500		19.9	25.8	29.4	33.8	34.5	38.3	41.1	42.0	42.7	43.1	43.8	44.5	46.8	47.3	48.9
≥ 2000		21.9	27.9	33.1	38.1	38.8	42.9	45.7	46.6	47.5	47.9	48.8	49.6	52.0	52.5	54.1
≥ 1800		22.1	28.1	33.3	38.3	39.0	43.1	45.9	46.8	47.7	48.0	48.9	49.8	52.1	52.7	54.3
≥ 1500		24.2	30.6	36.5	41.5	42.7	48.0	51.6	52.5	53.6	53.9	54.8	55.9	58.2	58.7	60.3
≥ 1200		24.6	31.0	37.0	43.2	44.7	50.9	54.8	55.9	57.1	57.5	58.4	59.4	61.7	62.3	63.9
≥ 1000		26.0	32.7	39.0	45.7	47.2	54.8	59.3	60.3	62.1	62.6	64.2	65.5	68.1	68.9	70.5
≥ 900		26.3	33.1	39.7	46.4	47.9	55.7	60.3	61.7	63.5	64.1	65.7	67.1	69.8	70.5	72.1
≥ 800		27.2	34.5	41.1	48.2	49.8	58.2	64.1	66.2	68.0	68.5	70.1	71.5	74.2	74.9	76.7
≥ 700		27.6	34.9	41.5	48.6	50.4	59.3	65.3	67.4	69.2	69.9	71.5	73.0	75.6	76.3	78.1
≥ 600		27.6	35.6	42.3	49.5	51.2	60.5	66.9	69.0	72.1	73.0	74.9	76.5	79.5	80.2	82.0
≥ 500		27.8	35.8	42.5	49.6	51.4	60.7	67.1	69.4	72.4	73.3	75.4	77.6	80.6	81.3	83.3
≥ 400		27.8	35.8	42.5	49.6	51.4	60.7	67.1	69.4	72.4	73.0	74.6	76.7	79.2	82.2	84.9
≥ 300		27.8	35.8	42.5	49.6	51.4	60.7	67.3	69.9	73.1	74.7	76.9	80.1	83.6	84.9	87.0
≥ 200		27.8	35.8	42.5	49.6	51.4	60.7	67.3	69.9	73.1	74.7	77.0	80.6	84.7	86.3	90.0
≥ 100		27.8	35.8	42.5	49.6	51.4	60.7	67.3	69.9	73.1	74.7	77.0	80.6	84.7	86.3	94.0
≥ 0		27.8	35.8	42.5	49.6	51.4	60.7	67.3	69.9	73.1	74.7	77.0	80.6	84.7	86.3	100.0

TOTAL NUMBER OF OBSERVATIONS 562

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	4.2	5.5	6.7	8.1	8.3	6.7	9.4	9.5	11.1	11.3	11.5	12.2	12.2	12.4	13.1	
≥ 20000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 16000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 14000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 12000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 10000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 9000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 8000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 7000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 6000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 5000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 4500	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 4000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 3500	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 3000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 2500	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 2000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 1800	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 1600	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 1400	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 1200	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 1000	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 900	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 800	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 700	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 600	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 500	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 400	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 300	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 200	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 100	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	
≥ 0	5.5	7.6	9.2	10.6	10.8	11.1	11.8	12.2	14.7	14.8	15.0	15.7	15.7	15.9	17.3	

TOTAL NUMBER OF OBSERVATIONS 566

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-70

YEARS

AEV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING		5.4	7.1	9.1	10.5	11.1	12.3	12.7	12.7	13.2	13.2	13.2	13.2	13.2	13.2	13.4
≥ 20000		7.7	9.6	12.0	13.4	13.9	15.5	15.9	15.9	16.8	16.8	16.8	16.8	16.8	16.8	17.0
≥ 18000		7.7	9.6	12.0	13.4	13.9	15.5	15.9	15.9	16.8	16.8	16.8	16.8	16.8	16.8	17.0
≥ 16000		7.7	9.6	12.0	13.4	13.9	15.5	15.9	15.9	16.8	16.8	16.8	16.8	16.8	16.8	17.0
≥ 14000		7.7	9.6	12.0	13.4	13.9	15.5	15.9	15.9	16.8	16.8	16.8	16.8	16.8	16.8	17.0
≥ 12000		7.7	9.6	12.0	13.4	14.1	15.7	16.1	16.1	17.0	17.0	17.0	17.0	17.0	17.0	17.1
≥ 10000		7.7	9.6	12.0	14.1	14.6	16.3	16.6	16.6	17.5	17.5	17.5	17.5	17.5	17.5	17.7
≥ 9000		8.8	11.1	13.6	15.7	16.3	17.9	18.2	18.2	19.1	19.1	19.1	19.1	19.1	19.1	19.3
≥ 8000		10.7	13.4	15.9	18.0	18.8	20.5	21.1	21.1	22.5	22.9	23.0	23.2	23.2	23.2	23.4
≥ 7000		11.6	14.5	17.0	19.6	20.4	22.1	22.7	22.7	24.1	24.5	24.6	24.6	24.6	24.6	25.0
≥ 6000		12.1	15.2	17.7	20.5	21.4	23.2	23.8	23.8	25.2	25.5	25.7	25.9	25.9	25.9	26.1
≥ 5000		13.6	17.0	19.5	22.3	23.2	25.0	25.7	25.7	27.1	27.5	27.7	27.9	27.9	27.9	29.0
≥ 4500		13.9	17.3	20.2	23.0	23.9	25.7	26.4	26.4	27.9	28.2	28.4	28.6	28.6	28.6	28.8
≥ 4000		14.6	18.6	21.4	24.8	25.7	27.9	28.6	28.6	30.2	30.5	30.7	30.9	31.1	31.1	31.3
≥ 3500		15.0	18.9	21.8	25.2	26.1	28.2	28.9	28.9	30.7	31.1	31.3	31.4	31.6	31.6	31.8
≥ 3000		20.2	24.5	28.2	31.8	32.7	34.8	35.5	35.5	37.3	37.7	37.9	38.0	38.2	38.4	38.6
≥ 2500		25.2	29.6	33.9	37.9	38.8	41.3	42.0	42.0	43.8	44.1	44.3	44.5	44.6	44.8	45.0
≥ 2000		27.1	32.0	36.6	40.7	41.8	44.8	45.5	45.5	47.3	47.9	48.0	48.2	48.4	48.6	48.8
≥ 1800		27.3	32.1	36.8	40.9	42.0	45.2	45.9	45.9	47.9	48.2	48.4	48.6	48.8	48.9	49.1
≥ 1500		29.6	34.6	39.5	43.9	45.5	49.5	50.2	50.2	52.5	52.9	53.0	53.2	53.4	53.6	53.8
≥ 1200		32.9	38.6	44.3	49.6	51.4	55.5	57.0	57.0	60.4	60.7	60.9	61.1	61.3	61.4	61.6
≥ 1000		33.9	40.4	47.7	53.9	55.7	60.2	61.8	61.8	65.2	65.7	65.9	66.1	66.4	66.8	67.0
≥ 900		35.9	42.9	50.5	57.3	59.5	64.1	65.9	65.9	69.3	69.8	70.0	70.2	70.5	70.9	71.1
≥ 800		37.1	44.6	53.2	60.2	63.0	68.4	70.2	70.5	74.5	75.0	75.2	75.4	75.7	76.1	76.3
≥ 700		38.6	46.6	55.4	62.7	66.6	72.1	74.1	74.6	78.8	79.3	79.6	79.8	80.4	80.7	80.9
≥ 600		39.1	47.3	56.3	64.1	68.2	74.1	77.1	77.9	82.0	82.7	83.2	83.4	83.9	84.3	84.5
≥ 500		39.3	47.5	56.4	64.3	68.6	74.5	78.0	78.9	83.4	84.3	85.2	85.5	86.3	86.8	87.0
≥ 400		39.5	47.9	56.8	64.6	68.9	74.8	78.6	79.6	85.0	86.3	87.1	88.2	89.3	89.8	90.4
≥ 300		39.5	47.9	56.8	64.6	68.9	74.8	78.6	79.6	85.9	87.3	88.2	89.8	91.4	92.0	93.6
≥ 200		39.5	47.9	56.8	64.6	68.9	74.8	78.6	79.6	85.9	87.3	88.2	89.8	91.4	92.5	97.1
≥ 100		39.5	47.9	56.8	64.6	68.9	74.8	78.6	79.6	85.9	87.3	88.2	89.8	91.6	92.7	98.2
≥ 0		39.5	47.9	56.8	64.6	68.9	74.8	78.6	79.6	85.9	87.3	88.2	89.8	91.6	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS 560

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

34076 NORTHEIM GERMANY AAF

64-70

1520-1720

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1520-1720

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING	7.6	9.3	12.0	12.2	13.1	13.5	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 20000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 18000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 16000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 14000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 12000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 10000	9.4	11.1	13.8	14.0	14.9	16.2	16.9	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
≥ 9000	10.2	11.8	14.7	15.1	16.0	17.2	18.0	18.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
≥ 8000	12.3	14.5	17.4	18.1	19.2	20.5	22.0	22.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 7000	12.9	15.6	18.9	20.9	22.0	23.2	24.7	24.7	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 6000	13.2	16.3	19.6	21.8	22.9	24.1	25.6	25.6	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 5000	15.1	18.5	22.1	24.5	25.6	27.0	28.5	28.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 4500	15.6	19.1	23.2	25.6	26.7	28.3	29.8	29.8	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 4000	17.6	21.8	25.0	28.7	29.8	31.4	32.8	32.8	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 3500	19.1	23.8	28.1	31.2	32.7	34.3	35.8	35.8	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 3000	24.7	29.0	34.5	37.6	39.0	41.0	42.5	42.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 2500	25.3	33.9	38.8	42.3	43.9	46.3	47.7	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2000	32.5	38.5	43.9	47.7	49.7	52.5	53.9	53.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 1800	32.5	38.8	44.3	48.1	50.1	52.8	54.3	54.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 1500	35.9	42.6	48.6	53.2	55.4	58.6	60.1	60.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1200	37.4	44.3	50.5	56.1	58.3	62.1	63.7	63.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1000	38.7	46.3	52.8	59.2	61.5	65.9	67.5	67.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 900	39.7	47.4	53.9	60.3	63.0	67.7	69.3	69.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 800	40.7	48.5	55.9	62.4	65.5	70.8	72.4	72.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 700	41.0	49.5	57.4	64.2	67.9	73.9	75.7	75.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 600	41.6	50.1	57.9	65.2	68.8	75.3	77.5	77.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 500	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 400	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 300	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 200	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 100	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 0	42.1	50.6	58.6	66.2	69.9	77.0	79.3	79.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0

TOTAL NUMBER OF OBSERVATIONS. 541

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

CEILING VERSUS VISIBILITY

34076 WEPTHEIM GERMANY AAF

64-56,68-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	6.5	7.8	11.3	12.6	14.7	16.0	16.5	16.5	16.9	17.3	17.2	17.3	17.3	17.3	17.3	17.3
≥2000	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥1800	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥1600	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥1400	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥1200	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥1000	7.4	10.0	13.4	14.7	16.9	18.6	19.0	19.9	20.3	20.8	20.8	20.8	20.8	21.2	21.2	21.2
≥800	8.2	10.8	14.3	15.6	17.7	19.5	20.3	21.2	21.6	22.5	22.5	22.5	22.5	22.9	22.9	22.9
≥700	8.7	11.3	14.7	17.3	19.5	21.2	22.1	22.9	23.4	24.2	24.2	24.2	24.2	24.7	24.7	24.7
≥600	10.4	13.0	16.5	19.5	21.6	23.4	24.2	25.1	25.5	26.4	26.4	26.4	26.4	26.8	26.8	26.8
≥500	11.7	14.7	18.2	22.5	24.7	26.4	27.3	28.1	28.6	29.4	29.4	29.4	29.4	29.9	29.9	29.9
≥4500	13.9	16.9	21.6	26.0	28.1	29.9	30.7	31.6	32.0	32.9	32.9	32.9	32.9	33.3	33.3	33.3
≥4000	14.3	17.7	22.5	27.3	29.4	31.2	32.0	32.9	33.3	34.2	34.2	34.2	34.2	34.6	34.6	34.6
≥3500	16.9	20.8	25.5	30.3	33.8	36.8	37.7	38.5	39.0	39.8	39.8	39.8	39.8	40.3	40.3	40.3
≥3000	20.3	24.7	29.4	34.6	38.5	42.0	42.9	43.7	44.6	45.5	45.5	45.5	45.5	45.9	45.9	45.9
≥2500	25.1	29.9	34.6	39.8	43.7	48.1	48.9	49.8	51.1	51.9	51.9	51.9	51.9	52.4	52.4	52.4
≥2000	27.3	32.0	37.2	42.4	47.2	51.9	52.8	53.7	55.0	55.8	55.8	55.8	55.8	56.3	56.3	56.3
≥1800	27.7	32.5	37.7	42.9	47.6	52.4	53.2	54.1	55.4	56.3	56.3	56.3	56.3	56.7	56.7	56.7
≥1500	29.9	34.6	39.8	45.9	50.6	55.4	57.1	58.0	59.3	60.2	60.2	60.2	60.2	60.6	60.6	60.6
≥1200	30.7	35.5	40.7	46.8	51.9	57.1	59.3	60.2	61.9	63.2	63.2	63.2	63.2	63.6	63.6	63.6
≥1000	32.5	37.2	42.4	50.2	57.1	63.2	66.2	67.1	69.3	70.6	70.6	70.6	70.6	71.0	71.0	71.0
≥900	32.9	37.7	42.9	51.1	58.4	64.9	68.8	69.7	71.0	73.2	73.2	73.2	73.2	73.6	73.6	73.6
≥800	34.2	39.4	45.9	54.1	61.9	68.4	73.2	74.0	76.2	78.4	78.4	78.4	78.4	78.8	78.8	78.8
≥750	34.2	39.8	46.3	55.4	63.6	70.6	75.3	76.2	79.2	81.4	81.4	81.4	81.4	81.8	81.8	81.8
≥600	34.2	39.8	46.3	55.4	63.6	70.6	75.3	76.2	80.5	82.7	82.7	82.7	82.7	83.1	83.1	83.1
≥500	34.6	40.3	46.8	55.8	64.1	71.0	76.6	77.5	82.7	85.3	85.3	85.3	85.3	85.7	85.7	85.7
≥400	34.6	40.3	46.8	55.8	64.1	71.0	77.1	77.9	83.5	86.1	87.0	87.0	87.0	87.4	87.4	87.4
≥300	34.6	40.3	46.8	55.8	64.9	72.3	78.4	79.2	86.6	89.2	90.0	90.0	90.0	90.9	90.9	90.9
≥200	34.6	40.3	46.8	55.8	64.9	72.7	78.8	79.7	87.0	89.6	90.5	90.5	90.5	91.3	91.3	91.3
≥100	34.6	40.3	46.8	55.8	64.9	72.7	78.8	79.7	87.0	89.6	90.5	90.5	90.5	91.3	91.3	91.3
≥0	34.6	40.3	46.8	55.8	64.9	72.7	78.8	79.7	87.0	89.6	90.5	90.5	90.5	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS 231

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36076 WESTHEIM GERMANY AAF

54-70

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0500

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ .005	≥ 0
NO CEILING	4.5	8.9	10.3	11.5	12.2	13.0	14.4	14.6	15.7	16.7	16.7	16.7	17.0	17.0	17.0	17.2	
≥ 20000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 18000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 16000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 14000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 12000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 10000	3.4	9.9	11.3	12.5	13.2	14.3	15.7	15.8	16.9	18.1	18.1	18.1	18.3	18.6	18.6	19.0	
≥ 8000	5.1	10.6	12.0	13.4	14.1	15.1	16.7	16.9	18.1	19.7	19.7	19.7	19.8	20.2	20.3	20.7	
≥ 7000	6.3	10.8	12.2	13.6	14.3	15.5	17.2	17.4	18.6	20.2	20.2	20.2	20.3	20.7	20.7	21.2	
≥ 6000	5.6	11.1	12.5	13.9	14.8	16.2	18.4	18.8	20.9	22.4	22.4	22.4	22.6	23.0	23.1	23.5	
≥ 5000	7.7	13.2	15.0	17.2	18.3	19.7	21.9	22.3	24.3	25.9	25.9	25.9	26.1	26.4	26.6	27.0	
≥ 4500	7.7	13.0	15.0	17.2	18.3	19.7	21.9	22.3	24.3	25.9	25.9	25.9	26.1	26.4	26.6	27.0	
≥ 4000	9.2	15.0	17.4	19.7	20.9	22.3	24.5	24.9	27.5	29.0	29.0	29.0	29.2	29.6	29.7	30.1	
≥ 3500	9.6	15.3	18.1	20.5	21.7	23.7	25.9	26.4	29.0	30.6	30.6	30.6	30.8	31.1	31.3	31.7	
≥ 3000	12.5	19.0	22.3	25.0	26.3	29.2	31.5	32.5	35.3	36.9	36.9	36.9	37.0	37.4	37.6	37.9	
≥ 2500	15.1	21.9	25.9	29.9	30.1	33.7	36.2	37.4	40.3	42.1	42.3	42.4	43.0	43.3	43.3	42.7	
≥ 2000	18.6	25.9	31.7	35.0	36.2	40.5	43.3	44.5	47.8	49.9	50.1	50.3	50.8	51.1	51.1	51.7	
≥ 1800	18.6	25.1	31.5	35.3	36.3	41.4	44.2	45.6	48.9	51.0	51.1	51.3	51.8	52.2	52.2	52.9	
≥ 1500	19.3	27.0	34.6	38.6	39.8	45.4	49.2	50.6	55.5	57.6	57.9	58.4	59.0	59.3	59.3	60.2	
≥ 1200	20.3	27.8	36.2	40.9	42.1	48.3	53.4	54.8	60.5	63.1	63.5	64.2	65.0	65.4	65.4	66.3	
≥ 1000	21.7	29.6	38.6	44.5	45.9	52.3	58.4	59.8	66.6	69.2	70.1	71.0	71.8	72.2	72.2	73.0	
≥ 900	22.3	30.3	39.3	45.2	46.8	53.7	59.8	61.2	68.0	70.6	71.5	72.3	73.2	73.6	73.6	74.4	
≥ 800	23.0	31.1	40.7	47.7	48.4	56.3	62.6	64.2	71.1	73.7	74.6	75.5	76.3	76.7	76.7	77.6	
≥ 700	23.5	31.3	41.4	48.3	50.1	58.1	64.5	66.1	73.6	76.7	77.5	78.4	79.2	79.7	79.7	80.5	
≥ 600	24.0	32.3	41.9	49.2	51.0	59.8	66.8	68.3	76.0	79.1	80.2	81.2	82.3	82.6	82.6	83.5	
≥ 500	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.3	82.4	83.5	85.9	87.5	88.0	88.0	88.9	
≥ 400	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.6	83.0	84.5	87.1	89.4	90.1	91.7	91.7	
≥ 300	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.6	83.0	84.5	87.1	89.4	90.1	91.7	91.7	
≥ 200	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.6	83.0	84.5	87.1	89.4	90.1	91.7	91.7	
≥ 100	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.6	83.0	84.5	87.1	89.4	90.1	91.7	91.7	
≥ 0	24.0	32.3	41.9	49.2	51.1	60.5	68.2	69.6	78.6	83.0	84.5	87.1	89.4	90.1	91.7	91.7	

TOTAL NUMBER OF OBSERVATIONS 575

USAFETAC

FORM
22-64

0-14-5 (21 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34076 WERTHEIM GERMANY AAF

64-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING		3.3	5.5	6.9	7.9	7.9	9.5	10.0	10.0	10.8	11.0	11.0	11.2	11.3	11.3	12.0
≥ 20000		4.3	6.5	8.2	9.5	9.6	11.5	12.4	12.4	13.6	13.9	14.1	14.3	14.6	14.6	15.5
≥ 18000		4.3	6.5	8.2	9.5	9.6	11.5	12.4	12.4	13.6	13.9	14.1	14.3	14.6	14.6	15.5
≥ 16000		4.3	6.5	8.2	9.5	9.6	11.5	12.4	12.4	13.6	13.9	14.1	14.3	14.6	14.6	15.5
≥ 14000		4.3	6.5	8.2	9.5	9.6	11.5	12.4	12.4	13.6	13.9	14.1	14.3	14.6	14.6	15.5
≥ 12000		4.3	6.5	8.2	9.5	9.6	11.5	12.4	12.4	13.6	13.9	14.1	14.3	14.6	14.6	15.5
≥ 10000		5.0	7.2	9.1	10.7	10.8	12.7	13.9	13.9	15.1	15.5	15.6	15.8	16.2	16.2	17.0
≥ 9000		5.0	7.2	9.1	10.7	10.8	12.7	13.9	13.9	15.1	15.5	15.6	15.8	16.2	16.2	17.0
≥ 8000		6.7	9.3	11.2	12.7	12.9	15.3	16.7	16.7	17.9	18.2	18.4	18.6	19.1	19.1	20.1
≥ 7000		7.2	10.0	11.9	13.4	13.6	16.3	18.4	18.4	19.9	20.3	20.4	20.6	21.1	21.1	22.2
≥ 6000		7.4	10.1	12.2	13.7	14.1	17.0	19.1	19.1	21.3	21.6	21.8	22.0	22.5	22.5	23.5
≥ 5000		8.1	10.8	12.9	15.1	15.5	18.4	20.4	20.4	22.9	23.2	23.4	23.5	24.1	24.1	25.1
≥ 4500		8.1	11.2	13.4	15.6	16.2	19.1	21.1	21.1	23.5	23.9	24.1	24.2	24.7	24.7	25.8
≥ 4000		9.5	13.4	16.3	18.7	19.2	22.2	24.2	24.2	26.6	27.0	27.1	27.3	27.8	28.0	29.0
≥ 3500		11.0	15.5	18.7	21.1	21.6	24.6	27.0	27.0	29.4	29.7	29.9	30.1	30.6	30.8	32.1
≥ 3000		13.7	18.7	22.9	26.1	26.8	30.2	32.8	32.8	36.1	36.4	36.6	36.9	37.5	37.6	39.0
≥ 2500		14.9	20.3	24.6	28.7	29.4	33.2	35.7	35.7	39.7	40.0	40.2	40.5	41.1	41.2	42.6
≥ 2000		18.2	23.9	29.0	34.2	35.2	39.9	42.8	42.8	48.3	48.8	49.0	49.7	50.2	50.3	51.9
≥ 1500		18.6	24.6	29.7	35.2	36.3	41.1	44.0	44.2	49.7	50.3	50.7	51.5	52.1	52.2	53.8
≥ 1000		20.8	26.8	32.1	38.1	39.2	44.5	47.9	48.1	55.2	56.0	56.4	57.2	58.1	58.2	59.8
≥ 900		22.2	29.2	35.2	42.3	43.3	49.1	52.9	53.3	60.7	61.5	61.9	63.1	64.3	64.4	66.0
≥ 800		24.1	32.3	38.7	45.9	47.1	53.3	57.2	57.6	66.0	67.0	67.7	68.9	70.8	71.0	72.5
≥ 700		24.4	32.8	39.3	46.6	47.0	54.0	58.1	58.4	66.8	67.9	68.6	69.8	71.6	71.8	73.4
≥ 600		25.3	33.8	40.9	48.3	49.5	56.2	60.7	61.0	69.6	70.6	71.3	72.5	74.6	74.7	76.3
≥ 500		25.3	34.0	41.1	49.0	50.2	57.6	62.0	62.5	71.1	72.5	73.2	74.4	76.6	76.8	78.4
≥ 400		25.8	34.5	41.9	50.0	51.4	59.3	63.9	64.4	73.0	74.4	75.3	76.3	79.2	79.4	80.9
≥ 300		25.8	34.9	42.4	50.5	51.9	60.0	65.3	66.0	75.8	77.5	78.4	81.1	84.0	84.2	85.7
≥ 200		25.8	34.9	42.4	50.7	52.1	60.1	65.6	66.3	76.6	78.5	79.4	82.5	86.3	86.4	88.2
≥ 100		25.8	34.9	42.4	50.7	52.1	60.1	65.8	66.5	77.1	79.2	80.1	83.3	88.5	90.5	91.4
≥ 0		25.8	34.9	42.4	50.7	52.1	60.1	65.8	66.5	77.1	79.2	80.1	83.3	88.5	90.5	91.4

TOTAL NUMBER OF OBSERVATIONS 382

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34076 WERTHEIM GERMANY AAF

YEAR 64-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

LINC (FEET)	VISIBILITY, STATUTE MILES,															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING		4.8	6.6	7.8	9.6	9.6	10.1	10.1	10.1	11.2	11.3	11.3	11.7	11.9	11.9	12.2
≥ 20000		6.6	8.5	10.6	12.4	12.4	13.3	13.3	13.3	14.4	14.5	14.7	15.1	15.2	15.2	15.6
≥ 18000		6.6	8.5	10.6	12.4	12.4	13.3	13.3	13.3	14.4	14.5	14.7	15.1	15.2	15.2	15.6
≥ 16000		6.6	8.5	10.6	12.4	12.4	13.3	13.3	13.3	14.4	14.5	14.7	15.1	15.2	15.2	15.6
≥ 14000		6.6	8.5	10.6	12.4	12.4	13.3	13.3	13.3	14.4	14.7	14.9	15.2	15.4	15.4	15.8
≥ 12000		6.6	8.5	10.6	12.4	12.4	13.3	13.3	13.3	14.4	14.7	14.9	15.2	15.4	15.4	15.8
≥ 10000		6.7	8.7	11.2	13.1	13.1	14.0	14.0	14.0	15.1	15.4	15.6	16.0	16.1	16.1	16.5
≥ 9000		6.7	8.7	11.2	13.1	13.1	14.0	14.0	14.0	15.1	15.4	15.6	16.0	16.1	16.1	16.5
≥ 8000		8.0	9.9	12.9	14.9	15.1	16.0	16.0	16.0	17.0	17.4	17.7	18.1	18.3	18.3	18.8
≥ 7000		9.9	11.9	15.1	17.0	17.2	18.1	18.6	18.6	19.9	20.4	20.9	21.3	21.5	21.5	22.0
≥ 6000		10.0	13.3	16.5	18.4	18.6	19.7	20.2	20.2	21.6	22.2	22.9	23.2	23.4	23.4	24.3
≥ 5000		11.0	14.0	17.4	19.9	20.0	21.6	22.3	22.3	23.8	24.3	25.0	25.4	25.5	25.5	26.4
≥ 4500		11.0	14.4	17.9	20.6	20.7	22.3	23.0	23.0	24.5	25.0	25.7	26.1	26.2	26.2	27.1
≥ 4000		11.5	15.1	18.8	21.6	21.8	23.6	24.3	24.3	26.2	26.8	27.5	27.8	28.0	28.0	28.9
≥ 3500		12.6	16.7	20.7	23.9	24.1	25.9	26.6	26.6	28.5	29.1	29.8	30.1	30.3	30.3	31.2
≥ 3000		16.8	21.3	27.0	31.4	31.6	33.3	34.4	34.4	37.4	37.9	38.7	39.0	39.2	39.2	40.6
≥ 2500		19.0	23.4	29.1	33.7	34.0	36.0	37.4	37.4	41.1	41.7	42.4	42.7	42.9	42.9	44.3
≥ 2000		22.9	28.5	34.2	39.0	39.5	42.2	44.7	44.7	48.6	49.1	49.8	50.2	50.4	50.4	52.2
≥ 1800		23.9	29.6	35.5	40.2	41.1	44.0	46.5	46.6	50.5	51.1	51.8	52.1	52.3	52.3	53.9
≥ 1500		24.6	30.9	36.7	41.7	43.4	47.2	50.4	50.5	55.1	55.7	56.4	56.7	56.9	56.9	58.5
≥ 1200		27.3	34.6	41.7	47.9	49.6	53.7	57.1	57.3	61.9	62.6	63.3	63.7	63.8	63.8	65.4
≥ 1000		28.5	36.2	43.8	50.7	52.7	57.4	61.0	61.3	66.7	67.7	68.4	68.8	69.1	69.1	70.7
≥ 900		29.4	37.4	45.4	52.3	54.3	59.8	63.3	63.7	69.0	70.0	70.7	71.5	71.8	71.8	73.4
≥ 800		29.8	38.3	46.6	53.3	56.6	62.2	66.0	66.3	71.6	72.7	73.4	74.1	74.5	74.5	76.4
≥ 700		30.9	39.4	47.7	55.9	58.2	64.0	67.9	68.3	73.8	74.8	75.5	76.4	77.3	77.3	79.1
≥ 600		32.3	41.0	49.3	57.4	59.8	66.0	70.7	71.1	76.8	77.8	78.5	79.4	80.3	80.3	82.1
≥ 500		32.4	41.3	50.0	58.3	60.8	67.4	72.5	72.9	81.0	82.4	83.2	84.6	85.6	85.6	87.4
≥ 400		32.4	41.3	50.0	58.3	60.8	67.4	72.9	73.2	82.1	83.5	84.8	87.6	89.5	89.5	91.0
≥ 300		32.4	41.3	50.0	58.3	60.8	67.4	73.2	73.6	82.4	83.9	85.1	87.9	90.1	90.6	92.6
≥ 200		32.4	41.3	50.0	58.3	60.8	67.4	73.2	73.6	82.4	83.9	85.1	87.9	90.1	91.0	93.8
≥ 100		32.4	41.3	50.0	58.3	60.8	67.4	73.2	73.6	82.4	83.9	85.1	87.9	90.1	91.0	93.8
≥ 0		32.4	41.3	50.0	58.3	60.8	67.4	73.2	73.6	82.4	83.9	85.1	87.9	90.1	91.0	93.8

TOTAL NUMBER OF OBSERVATIONS 564

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LT

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING		5.4	6.9	8.0	9.0	9.3	9.4	10.4	10.4	11.5	11.5	11.5	11.5	11.5	11.5	11.7
≥ 20000		6.3	7.8	10.0	11.3	11.3	12.0	13.0	13.0	14.1	14.1	14.1	14.1	14.1	14.1	14.8
≥ 18000		6.3	7.8	10.0	11.3	11.3	12.0	13.0	13.0	14.1	14.1	14.1	14.1	14.1	14.1	14.8
≥ 16000		6.3	7.8	10.0	11.3	11.3	12.0	13.0	13.0	14.1	14.1	14.1	14.1	14.1	14.1	14.8
≥ 14000		6.3	7.8	10.0	11.3	11.3	12.0	13.0	13.0	14.1	14.1	14.1	14.6	14.6	14.6	15.4
≥ 12000		6.7	8.1	10.4	11.7	11.7	12.4	13.3	13.3	14.4	14.4	14.4	15.0	15.0	15.0	15.7
≥ 10000		6.7	8.1	10.4	11.7	11.7	12.4	13.3	13.3	14.4	14.4	14.4	15.0	15.0	15.0	15.7
≥ 9000		6.7	8.1	10.4	11.7	11.7	12.4	13.3	13.3	14.4	14.4	14.4	15.2	15.2	15.2	15.9
≥ 8000		7.2	8.7	11.3	13.3	13.3	14.1	15.2	15.2	16.3	16.3	16.3	16.9	16.9	16.9	17.6
≥ 7000		8.3	10.2	13.5	15.7	15.7	16.5	17.8	17.8	19.3	19.3	19.3	19.8	19.8	19.8	20.6
≥ 6000		8.7	10.6	14.3	16.5	16.7	17.4	18.7	18.7	20.2	20.2	20.2	20.7	20.7	20.7	21.5
≥ 5000		9.4	11.3	15.2	17.8	18.0	18.7	20.6	20.6	22.0	22.0	22.0	22.6	22.6	22.6	23.3
≥ 4500		9.6	11.5	15.4	18.0	18.1	18.9	20.7	20.7	22.2	22.2	22.2	22.8	22.8	22.8	23.5
≥ 4000		11.1	13.1	17.2	20.0	20.2	21.3	23.1	23.1	25.4	25.4	25.4	25.9	25.9	25.9	26.7
≥ 3500		11.7	13.9	18.3	21.3	21.5	22.9	24.8	24.8	27.0	27.2	27.2	27.8	27.8	27.8	28.5
≥ 3000		15.0	17.8	23.1	27.0	27.4	29.1	31.3	31.3	34.8	35.0	35.4	35.9	35.9	35.9	36.9
≥ 2500		19.1	21.9	27.4	31.9	32.4	34.1	36.9	36.9	40.6	40.7	41.1	41.7	41.7	41.7	42.8
≥ 2000		22.0	25.9	32.2	36.9	37.8	40.0	42.8	42.8	46.7	46.9	47.2	47.8	47.8	47.8	48.9
≥ 1800		23.3	27.4	33.9	38.7	39.6	42.8	45.7	45.7	50.2	50.4	50.7	51.3	51.3	51.3	52.4
≥ 1500		24.1	28.5	35.2	40.9	42.0	46.8	49.8	49.8	55.7	55.9	56.5	57.2	57.4	57.4	58.5
≥ 1200		26.5	32.2	40.9	46.9	48.0	52.8	56.3	56.5	62.4	62.6	63.1	63.9	64.1	64.1	65.2
≥ 1000		28.0	34.3	43.3	49.6	51.1	57.0	60.9	61.1	68.9	69.1	69.6	70.6	70.7	70.7	71.9
≥ 900		28.1	34.4	43.5	49.8	51.3	57.2	61.1	61.3	69.1	69.8	70.4	71.3	71.7	71.7	72.8
≥ 800		30.4	36.9	46.5	52.8	54.4	60.6	65.0	65.2	73.1	73.9	74.4	75.4	75.7	75.7	76.9
≥ 700		31.1	37.6	47.4	54.3	55.5	62.6	67.6	68.0	76.1	76.9	77.6	78.7	79.1	79.1	80.2
≥ 600		32.2	39.1	48.9	55.7	58.0	64.6	70.2	70.7	79.1	80.0	80.7	81.9	82.2	82.2	83.3
≥ 500		32.4	39.3	49.3	55.1	59.1	66.3	72.8	73.5	83.0	84.6	85.4	86.5	87.2	87.2	88.5
≥ 400		32.6	39.4	49.4	56.5	59.4	66.7	73.7	74.4	84.4	86.3	87.6	89.4	91.1	91.3	92.8
≥ 300		32.6	39.4	49.4	56.5	59.4	66.7	73.7	74.4	84.4	86.3	87.6	89.6	91.9	92.2	94.1
≥ 200		32.6	39.4	49.4	56.5	59.4	66.7	73.7	74.4	84.4	86.5	87.8	89.8	92.6	93.0	97.2
≥ 100		32.6	39.4	49.4	56.5	59.4	66.7	73.7	74.4	84.4	86.5	87.8	89.8	92.6	93.1	99.3
≥ 0		32.6	39.4	49.4	56.5	59.4	66.7	73.7	74.4	84.4	86.5	87.8	89.8	92.6	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34076 WERTHEIM GERMANY AAF

64-66,68-70

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING		5.4	6.3	10.4	11.3	11.3	11.7	13.5	13.5	14.9	14.9	14.9	14.9	14.9	14.9	14.9
≥ 20000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	16.2	16.2	16.2	16.7
IV 18000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	16.2	16.2	16.2	16.7
IV 16000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	16.2	16.2	16.2	16.7
IV 14000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	17.6	17.6	17.6	18.0
IV 12000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	17.6	17.6	17.6	18.0
IV 10000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	17.6	17.6	17.6	18.0
IV 9000		5.9	6.8	11.3	12.2	12.2	13.1	14.9	14.9	16.2	16.2	16.2	17.6	17.6	17.6	18.0
IV 8000		5.9	6.8	11.3	13.1	13.1	14.0	15.8	15.8	17.1	17.1	17.1	18.5	18.5	18.5	18.9
IV 7000		8.1	9.5	14.4	16.2	16.2	17.1	18.9	18.9	20.3	20.3	20.3	21.6	21.6	21.6	22.1
IV 6000		8.6	9.9	14.9	18.0	18.0	18.9	20.7	20.7	22.1	22.1	22.1	23.4	23.4	23.4	23.9
IV 5000		8.6	9.9	14.9	18.0	18.0	18.9	20.7	20.7	22.5	22.5	22.5	23.9	23.9	23.9	24.3
IV 4500		9.0	10.4	15.3	18.5	18.5	19.4	21.2	21.2	23.0	23.0	23.0	24.3	24.3	24.3	24.8
IV 4000		10.4	11.7	17.1	20.3	20.3	21.6	23.4	23.4	25.7	25.7	25.7	27.0	27.0	27.0	27.5
IV 3500		10.8	12.6	18.9	23.9	23.9	25.2	27.0	27.0	29.3	29.3	29.3	30.6	30.6	30.6	31.1
IV 3000		12.6	14.4	21.6	27.5	27.5	28.3	31.1	31.1	34.7	34.7	34.7	36.0	36.0	36.0	36.5
IV 2500		14.0	16.2	23.9	30.2	30.2	32.0	34.2	34.2	37.8	37.8	37.8	39.2	39.2	39.2	40.1
IV 2000		20.3	23.0	32.4	40.1	41.0	43.2	45.5	45.5	49.5	49.5	49.5	50.9	50.9	50.9	51.3
IV 1800		20.3	23.4	33.3	41.4	42.3	45.9	48.2	48.2	52.7	52.7	52.7	54.1	54.1	54.1	55.0
IV 1500		22.5	26.1	36.5	45.5	46.4	50.9	53.6	53.6	59.0	59.0	59.0	61.7	61.7	61.7	62.6
IV 1200		23.0	26.6	37.4	46.4	47.3	53.6	56.3	56.3	61.7	62.2	62.2	64.4	64.4	64.4	65.3
IV 1000		24.8	28.8	40.1	50.0	50.9	58.1	60.8	60.8	68.0	68.5	68.5	70.7	70.7	70.7	71.6
IV 900		25.2	29.3	40.5	50.5	52.3	59.5	62.2	62.2	69.8	70.7	70.7	73.0	73.0	73.0	73.9
IV 800		26.1	30.2	42.3	52.3	54.1	62.2	65.8	65.8	73.9	74.8	74.8	77.0	77.0	77.0	77.9
IV 700		26.1	30.2	42.3	52.7	54.5	64.0	67.6	67.6	76.6	77.5	77.5	79.7	80.2	80.2	81.1
IV 600		27.0	31.1	43.2	53.6	55.9	65.8	69.8	69.8	78.8	80.6	80.6	82.9	83.8	83.8	84.7
IV 500		27.0	31.1	43.7	54.1	56.3	66.7	71.2	71.2	81.1	83.3	83.3	85.6	86.5	86.5	87.4
IV 400		28.4	32.4	45.0	55.4	58.1	68.5	73.4	73.4	84.2	86.5	86.5	90.1	91.9	91.9	92.8
IV 300		28.4	32.4	45.0	55.4	58.1	68.5	73.4	73.4	84.2	86.5	86.5	90.1	92.3	92.3	94.1
IV 200		28.4	32.4	45.0	55.4	58.1	68.5	74.3	74.3	85.1	87.4	87.8	91.0	93.2	93.7	95.1
IV 100		28.4	32.4	45.0	55.4	58.1	68.5	74.3	74.3	85.1	87.4	87.8	91.0	93.2	94.1	100.0
IV 0		28.4	32.4	45.0	55.4	58.1	68.5	74.3	74.3	85.1	87.4	87.8	91.0	93.2	94.1	100.0

TOTAL NUMBER OF OBSERVATIONS 222

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34076 WERTHEIM GERMANY AAF
STATION STAT ON NAME

64-70
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	2.7	2.6	1.7	1.8	1.9	1.8	1.1	1.1	5.6	8.9	70.9	8.8	2217
FEB		6.9	3.1	1.0	2.5	2.6	1.9	2.2	2.5	5.5	13.1	58.6	8.1	2004
MAR		7.7	4.0	1.4	4.2	3.0	2.4	1.7	2.9	6.9	12.4	53.3	7.7	2338
APR		7.9	3.2	2.4	3.0	2.6	3.8	2.9	3.8	9.5	18.3	43.1	7.6	2280
MAY		6.1	3.9	2.0	4.1	3.8	5.2	3.9	3.4	9.7	15.4	38.5	7.5	2335
JUN		6.9	5.3	1.9	4.4	4.1	5.1	3.8	3.1	11.2	20.1	34.1	7.2	2315
JUL		6.9	7.3	2.0	5.0	4.6	4.7	3.2	4.7	11.3	18.5	30.7	6.9	2327
AUG		5.4	6.1	2.8	4.2	5.2	5.3	4.2	4.6	10.8	19.6	34.9	7.1	2384
SEP		6.2	6.4	2.5	5.6	5.4	4.3	3.2	2.4	8.8	17.5	36.7	7.1	2335
OCT		7.5	5.0	1.4	3.1	2.8	1.3	2.2	4.0	6.6	16.4	48.5	7.7	2445
NOV		3.5	1.6	1.0	2.0	1.7	2.0	1.9	1.8	4.6	11.2	68.9	8.7	2470
DEC		4.8	1.2	.4	1.9	1.8	1.2	2.0	1.3	4.0	8.7	72.9	8.8	2479
TOTALS		6.0	4.2	1.7	3.6	3.3	2.2	2.8	3.1	7.9	15.1	49.3	7.8	27929

SKY COVER

JAN
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02													
	03-05													
	06-08	4.8	1.4	1.6	1.8	2.0	1.8	1.4	1.0	3.4	5.0	75.9	8.7	503
	09-11	2.3	2.0	1.6	1.0	1.8	2.2	.4	.6	5.1	9.0	74.2	9.0	511
	12-14	1.0	1.6	1.0	2.8	1.2	1.8	.8	1.0	6.9	14.1	67.9	9.0	504
	15-17	1.2	2.9	2.0	1.8	1.4	2.0	1.0	1.4	4.7	11.0	70.4	8.9	490
	18-20	4.3	5.3	2.4	1.4	2.9	1.0	1.9	1.4	8.1	5.3	66.0	8.2	209
	21-23													
TOTALS		2.7	2.6	1.7	1.8	1.9	1.8	1.1	1.1	5.4	8.9	70.9	8.8	2217

SKY COVER

FEB 9

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02													
	03-05													
	06-08	10.0	2.0	1.3	3.7	3.3	1.7	1.5	2.2	3.9	10.0	60.3	7.9	459
	09-11	5.6	1.3	.9	1.7	2.8	2.4	2.6	3.0	5.2	13.2	61.2	8.4	461
	12-14	4.4	3.1	1.1	2.0	2.4	1.5	2.6	2.9	7.0	14.5	58.4	8.4	454
	15-17	4.8	5.0	1.1	2.0	2.3	2.5	1.5	1.8	6.6	13.6	58.6	8.2	440
	18-20	9.5	4.2	.5	3.2	2.1	1.6	2.6	2.6	4.7	14.2	54.7	7.8	190
	21-23													
TOTALS		6.9	3.1	1.0	2.5	2.6	1.9	2.2	2.5	5.5	13.1	58.6	8.1	2004

SKY COVER

MAR
MONTH

MONTH	HOURS R.S.T.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
MAR	00-02													
	03-05													
	06-08	10.2	3.9	1.3	4.1	1.9	2.4	2.3	1.9	5.6	10.0	36.2	7.6	532
	09-11	7.8	4.1	1.3	4.6	3.5	1.7	1.7	3.1	5.7	9.1	37.4	7.8	340
	12-14	5.5	3.1	1.3	4.0	1.9	3.2	1.5	4.0	7.7	15.1	50.8	7.9	520
	15-17	7.3	3.4		4.8	3.8	2.3	2.5	2.3	7.7	14.9	31.0	7.8	522
	18-20	7.5	3.7	3.3	3.7	3.7	2.3	.5	3.3	7.9	13.1	30.9	7.6	214
	21-23													
TOTALS		7.7	4.0	1.4	4.2	3.0	2.4	1.7	2.9	6.9	12.4	33.3	7.7	2338

SKY COVER

APR

MONITOR

MONTH	HOURS LST.	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8			9	10
APR	00-02													
	03-05													
	06-08	12.4	4.6	1.3	1.7	3.1	1.3	2.7	2.1	7.5	13.0	50.3	7.4	523
	09-11	10.1	3.1	2.1	3.6	2.1	2.7	2.5	1.5	8.2	15.3	48.8	7.6	523
	12-14	6.1	2.9	1.8	3.5	2.0	2.9	2.5	2.9	12.7	24.2	38.5	7.8	512
	15-17	5.1	5.3	2.4	1.6	3.1	3.1	3.7	4.9	10.4	21.6	38.7	7.6	509
	18-20	5.6	2.3	4.2	4.7	2.8	4.2	3.3	7.5	8.9	17.4	39.0	7.5	213
	21-23													
TOTALS		7.9	3.6	2.4	3.0	2.6	3.8	2.9	3.8	9.5	18.3	43.1	7.6	2280

SKY COVER

MAY
MON

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8			9	10
MAY	00-02													
	.03-05													
	06-08	10.4	5.3	1.9	4.3	4.3	2.6	2.9	3.0	5.6	15.6	44.1	7.2	531
	09-11	6.8	4.5	3.0	3.6	3.4	2.5	1.3	3.2	10.0	19.4	40.2	7.4	530
	12-14	3.9	2.3	1.9	2.7	3.3	5.6	3.5	2.7	11.4	26.2	36.6	7.9	519
	15-17	3.1	3.3	1.9	4.8	2.7	6.0	7.1	4.2	11.4	20.3	35.1	7.6	518
	18-20	6.3	4.2	1.3	5.1	5.1	7.2	4.6	3.8	10.1	15.6	36.7	7.2	237
	21-23													
	21-23													
TOTALS		6.1	3.9	2.0	4.1	3.8	5.2	3.9	3.4	9.7	19.4	38.5	7.5	2335

SKY COVER

JUN

MONIN

MONTH	HOURS IST:	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
JUN	:00-02													
	:03-05													
	:06-08	10.4	7.4	1.9	7.2	3.8	2.9	3.2	2.9	7.4	17.3	35.0	6.7	525
	:09-11	7.2	7.2	2.3	5.7	7.0	4.5	2.8	2.1	9.7	20.1	31.4	6.8	528
	:12-14	3.9	3.7	1.4	3.9	3.5	7.2	4.4	2.7	14.1	20.7	34.6	7.6	517
	:15-17	4.7	3.3	1.9	2.7	4.5	4.7	4.3	3.2	12.2	24.1	32.4	7.6	515
	:18-20	7.8	4.6	2.2	2.6	1.7	6.1	4.3	2.6	12.6	18.3	37.0	7.3	230
	:21-23													
TOTALS		6.9	5.3	1.9	4.4	4.4	5.1	3.8	3.1	11.2	20.1	34.1	7.2	2315

SKY COVER

July
CONT

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER									MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8			9	10
JUL	00-02													
	03-05													
	06-08	11.4	8.9	.9	6.4	4.7	3.0	2.1	3.6	6.3	15.2	35.2	6.6	528
	09-11	10.2	7.0	1.7	4.4	4.4	4.7	4.2	4.4	8.7	17.6	32.8	6.8	528
	12-14	3.3	4.6	2.3	6.7	5.6	4.4	2.3	6.7	14.3	21.6	27.9	7.2	519
	15-17	4.1	7.5	5.5	5.2	6.4	5.4	4.1	3.9	13.1	20.1	26.8	6.9	518
	18-20	5.6	8.5	1.7	7.3	1.7	6.0	3.4	5.1	12.0	17.9	30.8	6.9	234
	21-23													
TOTALS		6.9	7.3	2.0	6.0	4.6	4.7	3.2	4.7	11.3	18.5	30.7	6.9	2327

SKY COVER

AUG

MONTH	HOURS LAST:	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02													
	03-05													
	06-08	6.4	4.2	2.9	3.3	4.2	4.6	3.9	2.8	9.9	15.8	41.8	7.4	542
	09-11	6.1	7.2	2.2	4.4	4.2	5.2	3.0	3.7	12.4	14.9	34.7	6.9	542
	12-14	2.4	5.3	2.8	3.8	5.3	6.6	5.6	4.5	19.4	17.1	32.3	7.3	533
	15-17	2.7	5.3	2.8	5.9	5.9	6.4	4.5	5.9	10.4	19.5	30.7	7.2	528
	18-20	7.6	8.4	3.4	2.8	6.3	3.8	3.8	3.9	6.7	13.5	34.9	6.8	238
	21-23													
TOTALS		5.4	6.1	2.8	4.2	5.2	5.3	4.2	4.4	10.8	16.6	34.9	7.1	2384

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SKY COVER

SEP

STATION

STATION NAME

PERIOD

MONITOR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02													
	03-05													
	06-08	6.2	3.2	.6	4.0	4.0	4.6	2.3	3.2	7.4	17.5	49.1	8.0	527
	09-11	5.0	5.1	2.5	4.6	5.5	5.3	3.2	3.2	10.5	14.7	40.4	7.3	525
	12-14	3.8	7.6	2.9	7.1	5.9	4.0	3.8	3.1	8.6	21.4	31.9	7.0	524
	15-17	7.4	6.5	2.5	7.8	5.9	3.4	2.9	4.2	9.2	18.5	31.7	6.8	524
	18-20	10.6	9.8	3.8	4.7	5.5	4.3	3.8	3.4	8.5	15.3	30.2	6.3	235
	21-23													

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

65-70
PERIOD

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02													
	03-05													
	06-08	4.7	1.8	1.4	1.1	3.4	.9	1.8	2.7	7.6	12.5	62.0	8.5	553
	09-11	3.3	5.1	1.8	1.8	1.6	2.2	2.7	2.4	4.3	15.0	59.9	8.3	553
	12-14	7.3	5.9	1.1	3.3	2.6	2.0	2.2	4.9	7.1	19.0	44.6	7.6	547
	15-17	11.3	5.1	1.3	2.5	3.1	1.6	4.7	4.9	7.3	19.9	37.9	7.2	549
	18-20	10.7	7.0	1.6	6.0	3.3	2.5	3.3	4.9	6.6	15.6	37.9	6.8	243
	21-23													

SKY COVER

40V

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02													
	03-05													
	06-08	3.7	1.4	1.2	2.7	2.3	1.4	2.3	1.8	4.8	8.2	70.1	8.7	562
	09-11	1.1	1.4	1.1	1.2	1.9	3.1	1.8	2.1	3.7	12.7	70.8	9.0	566
	12-14	1.6	1.3	.5	3.2	.9	2.3	1.1	2.0	5.0	14.5	67.7	8.9	560
	15-17	3.8	1.6	1.3	1.8	.9	1.8	2.2	2.0	3.3	14.3	67.0	8.7	531
	18-20	7.4	2.2	.9	.9	2.6	2.2	2.2	.9	6.1	6.1	58.8	8.4	231
	21-23													
TOTALS		3.5	1.6	1.0	2.0	1.7	2.0	1.9	1.8	4.6	11.2	68.9	8.7	2470

SKY COVER

DEC
MONI

MONTH	HOURS A.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02													
	03-05													
	06-08	7.2	1.2	.3	1.7	1.4	2.3	1.4	1.2	4.0	5.4	73.8	8.6	573
	09-11	3.6	1.4	.9	1.2	.7	.7	1.4	1.4	4.8	12.2	71.8	9.0	581
	12-14	2.5	1.1	.2	1.1	2.5	1.2	3.0	1.2	6.6	10.3	70.0	8.9	582
	15-17	3.9	.9	.2	1.5	1.9	1.5	1.7	.6	2.4	10.4	75.2	9.0	540
	18-20	6.3	1.4	.5	4.1	1.4	.3	2.3	2.3	2.3	5.4	73.9	8.5	222
	21-23													
TOTALS		4.8	1.2	.4	1.9	1.6	1.2	2.0	1.3	4.0	8.7	72.9	8.8	2479

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

DATA NOT AVAILABLE

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

DATA NOT AVAILABLE

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1973; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34076 WERTHEIM GERMANY AAF
STATION NAME

65-70

YEARS

JAN

PAGE 1

ALL

MOON S. S. C.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
56/ 55				.0	.1																	3	3												
54/ 53			.1	.2	.0																	7	7												
52/ 51		.1	.1	.1																		8	8												
50/ 49		.0	.4	.0																		11	11	7											
48/ 47		.4	.5	.1																		20	20	10	6										
46/ 45	.0	1.2	1.0	.1																		52	53	20	5										
44/ 43	.1	1.9	.9	.1																		66	66	49	21										
42/ 41	.4	2.6	1.7	.1																		106	106	73	43										
40/ 39	.7	4.0	1.9	.0																		144	144	112	93										
38/ 37	1.3	5.6	1.5																			187	187	172	120										
36/ 35	2.2	5.9	1.4																			209	209	217	176										
34/ 33	3.0	5.4	.9																			203	203	235	216										
32/ 31	4.5	7.5	.2																			268	268	260	242										
30/ 29	4.9	4.1	.2																			202	202	272	230										
28/ 27	4.3	2.7	.2																			158	158	167	224										
26/ 25	3.2	3.0	.2																			142	142	123	182										
24/ 23	2.2	2.7																				109	109	134	127										
22/ 21	1.7	1.9																				78	78	84	82										
20/ 19	2.2	1.3																				81	82	83	96										
18/ 17	1.2	1.1																				51	58	61	88										
16/ 15	.4	.6																				22	22	28	50										
14/ 13	.7	.5																				23	26	26	39										
12/ 11	.7	.3																				22	26	21	26										
10/ 9	.4	.2																				12	13	16	41										
8/ 7	.0																					1	2	1	15										
6/ 5	.0	.1																				3	5	2	9										
4/ 3	.1																					2	2	3	6										
2/ 1		.0																				1	1	1	2										
0/ -1	.1																					3	3	3	2										
-2/ -3	.1																					3	3	3	1										
-4/ -5																									1										
-6/ -7																									4										
-8/ -9																									2										
Element (X)	Σx^2			Σx			\bar{x}			s^2			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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YEARS

65-70

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PAGE 1

ALL
HOURS 11. 9

FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

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YEARS

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MONTH

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HOURS (L.S.)

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PSYCHROMETRIC SUMMARY

65-72

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PAGE 1

Ali

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
92/ 91											.0	.0						2		2														
90/ 89											.4	.1						11		11														
88/ 87										.3	.2	.3						18		18														
86/ 85							.1	.3	.4	.5	.3	.1	.0					42		40														
84/ 83						.0	.5	.6	.3	.5	.1	.0						50		50														
82/ 81						.1	.6	.9	.7	.5								65		65														
80/ 79					.0	.5	.5	.9	.5	.4								66		66														
78/ 77					.2	.6	1.1	1.1	.6	.1								91		91														
76/ 75				.2	.3	1.3	1.7	.9	.7	.1								126		126														
74/ 73				.2	.3	1.0	1.5	1.2	.2									119		119	12													
72/ 71			.1	.5	1.9	1.3	1.7	.6	.2									150		150	43													
70/ 69		.0	.4	1.1	1.2	1.7	1.5	.3										148		148	72	1												
68/ 67		.1	1.0	1.2	1.8	1.8	.8	.1										160		150	118	16												
66/ 65	.0	.4	2.1	1.9	1.7	1.0	.4											176		176	160	55												
64/ 63	.0	.9	2.1	1.7	1.2	1.4	.2	.0										178		178	240	87												
62/ 61	.2	1.6	1.9	2.0	1.5	1.0	.1											199		199	259	166												
60/ 59	.4	2.6	2.4	1.8	1.2	.6												211		211	306	220												
58/ 57	.6	2.3	1.6	1.4	1.5	.1												173		173	309	274												
56/ 55	.4	2.0	1.4	1.8	.3													137		137	227	282												
54/ 53	.2	1.9	1.7	.9														109		109	202	297												
52/ 51	.1	1.4	1.1	.0														61		61	173	253												
50/ 49	.3	.8	.3															32		32	143	244												
48/ 47	.1	.2	.1															10		10	58	159												
46/ 45																					10	157												
44/ 43																						76												
42/ 41																						36												
40/ 39																						8												
38/ 37																						1												
TOTAL	2.4	14.5	16.3	14.8	14.0	12.7	10.7	7.0	3.9	2.7	.8	.2	.0					2332		2332		2332												
																		2332			2332													
Element (X)	Σx²		Σx		X̄		s²		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.	11122157		156383		67.1		16.507		2332		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total											
Dry Bulb	10392742		154217		66.1		9.129		2332						333.7		187.6		68.6				744											
Wet Bulb	8148664		137170		58.8		5.856		2332						78.2		3.8						744											
Dew Point	6865587		125807		53.9		5.808		2332						5.4								744											

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YEARS

65-70

Aug
1979

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ALL
NOBS 57

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
96/ 95												.0	.0	.0				2	2					
94/ 93												.0	.0					2	2					
92/ 91												.1	.1					4	4					
90/ 89												.1						4	4					
88/ 87												.2	.2					7	8					
86/ 85								.0	.1	.1	.0							6	5					
84/ 83							.1	.2	.4	.1	.0	.1						35	35					
82/ 81						.0	.4	.7	.4	.0		.0						38	38					
80/ 79						.2	.3	.7	.3	.2	.1							44	44					
78/ 77					.1	.4	.6	.5	.7	.2								63	63					
76/ 75				.0	.4	.8	1.0	.8	.6	.3								93	93					
74/ 73				.3	.8	1.2	1.3	.7	.5									104	104	4				
72/ 71			.1	.7	1.6	1.8	1.5	.6	.0									149	149	19				
70/ 69			1.1	1.1	1.4	2.0	1.0	.5	.0									177	170	50	1			
68/ 67			.2	1.4	1.2	1.5	1.5	1.4	.3									178	178	84	6			
66/ 65			.9	2.0	1.7	1.8	1.3	.3										185	185	145	38			
64/ 63	.3	2.1	1.6	2.2	1.6	1.5	.3											226	226	209	90			
62/ 61	1.1	2.6	1.7	2.0	1.4	1.6	.0											225	225	322	214			
60/ 59	1.3	3.1	2.1	2.1	1.1	.1	.0											236	236	324	258			
58/ 57	1.4	2.6	1.3	1.6	.5	.1												178	178	339	229			
56/ 55	1.0	2.8	1.6	.8	.1													148	148	274	310			
54/ 53	.8	2.7	1.5	.1														121	121	246	296			
52/ 51	.9	2.4	.5	.0														92	92	191	250			
50/ 49	.4	1.3	.2															45	45	114	268			
48/ 47	.3	.5																19	19	45	227			
46/ 45	.2	.1																7	7	15	132			
44/ 43	.1																	3	3	4	47			
42/ 41																					12			
40/ 39																					5			
38/ 37																					2			
TOTAL	7.8	21.1	15.0	13.9	12.2	11.2	8.2	5.5	3.2	1.0	.4	.3	.0					2385	2385	2385	2385			
Element (X)	Σx²	Σx	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature				Total		
Rel. Hum.	13123563	171687	72.0	17.907	2385	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F													
Dry Bulb	10044884	153456	64.3	6.474	2385	280.8				125.7	37.1	1.2	744											
Wet Bulb	8166856	138978	58.3	5.355	2385	49.0				1.2	744													
Dew Point	7083200	129136	54.1	5.462	2385	2.2				744														

USAFETAC FORM NO. 2-74 0-26-5 (OLA) REVISED PREVIOUS EDITIONS IF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

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FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

0.26.5 (OL A)

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

PSYCHROMETRIC SUMMARY

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DEC

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ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
56/ 55				.2	.1													7		7																	
54/ 53				.1	.1													4		4																	
52/ 51		.3	.5	.1	.1													25		25																	
50/ 49		.7		.1	.0													20		20	23	4															
48/ 47	.1	.6		.2														21		21	34	17															
46/ 45	.3	1.6	.3	.3														61		61	24	38															
44/ 43	.6	2.2	1.4	.2														109		109	66	39															
42/ 41	.5	3.6	1.7	.0	.0													144		144	84	51															
40/ 39	.5	3.9	1.6															148		148	154	85															
38/ 37	.5	5.7	1.2															184		184	175	113															
36/ 35	2.1	7.5	.6															254		254	252	219															
34/ 33	3.6	7.7	1.2	.0														312		312	306	310															
32/ 31	4.3	6.2	.5															273		273	327	313															
30/ 29	3.3	4.6	.3															203		203	226	306															
28/ 27	3.1	3.7	.2	.0														175		175	200	160															
26/ 25	3.2	3.6	.2	.0														177		177	176	159															
24/ 23	2.5	3.4	.2															151		151	167	179															
22/ 21	1.7	1.0	.0															70		70	106	122															
20/ 19	1.9	.6																62		62	66	110															
18/ 17	.7	.3																25		25	34	67															
16/ 15	.5	.2																17		17	18	37															
14/ 13	.4	.1																13		13	14	35															
12/ 11	.4																	10		10	11	26															
10/ 9	.2	.0																5		5	4	15															
8/ 7	.1																	2		2	3	3															
6/ 5	.1																	3		3	3	4															
4/ 3	.1																	2		2	2	2															
2/ 1	.2																	6		6	6	3															
0/ 0																						1															
2/ 0																						4															
TOTAL	31.0	97.5	10.0	1.2	.3													2483		2483		2483															
Element (X)	Σ X ²		Σ X		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.	19360523		218109		87.8		9.013		2483		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb	2785739		80843		32.6		7.867		2483			357.8					744																				
Wet Bulb	2575615		77859		31.4		7.353		2483				408.4				744																				
Dew Point	2268386		72584		29.2		7.685		2483		1.5	481.8					744																				

USAFETAC FORM 026-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34076 VERT-EIM GERMANY AAF
STATION

65-70
YEARS

JAN
MONTH

PAGE 1 0000-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	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D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.	D.B. W.B.

FORM 0-26-5 (OL A) JUL 64
USAFETAC
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34076 WERTHEIM GERMANY AAF
 STATION NO. STATION NAME

65-70
 YEARS

PAGE 1 2900-1100
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL			TOTAL																																
C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	D-w	Bulb	Wet	Bulb	Dew	Po	...																																													
50/ 49				.2													1		1																																																		
48/ 47			.4	.4													4		4																																																		
46/ 45			1.2	.5													9		9																																																		
44/ 43		.2	1.8	.4													12		12																																																		
42/ 41		.4	3.0	1.6													23		23																																																		
40/ 39		.8	5.1	.4	.2												33		33																																																		
38/ 37		.8	5.3	1.2													37		37																																																		
36/ 35		2.8	5.7	.6													46		46																																																		
34/ 33		3.7	7.1														55		55																																																		
32/ 31		3.9	6.5														53		53																																																		
30/ 29		4.7	3.1														40		40																																																		
28/ 27		5.5	4.3														50		50																																																		
26/ 25		3.5	1.8														27		27																																																		
24/ 23		3.1	3.3														33		33																																																		
22/ 21		2.4	2.0														22		22																																																		
20/ 19		3.5	.4														20		20																																																		
18/ 17		1.4	.8														11		13																																																		
16/ 15		.2	.8														5		5																																																		
14/ 13		.4															2		2																																																		
12/ 11		1.4	.6														10		11																																																		
10/ 9		.8	.6														7		7																																																		
8/ 7		.2															1		1																																																		
6/ 5		.2	.2														2		3																																																		
4/ 3																																																																					
2/ 1																																																																					
0/ -1		.4															2		2																																																		
-2/ -3		.2															1		1																																																		
-6/ -7																																																																					
-8/ -9																																																																					
TOTAL	40,653.9	5.1	.4															508		512																																																	
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature																																																															
Rel. Hum.	4086311	45389	89.2	7.604	508	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 83 F$	$\leq 93 F$	Total																																																									
Dry Bulb	505052	15482	30.2	8.606	512	.5	52.7																																																														
Wet Bulb	474544	14920	29.3	8.045	508	.5	57.9																																																														
Dew Point	422541	13993	27.5	8.554	508	.9	65.7																																																														

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

1144

65-72

528

USAFETAC 0.26-5 (OL A) ISSUED PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

1

100

42-71

100

USAFILTAC FORM 0-26-5 (OL A) STATED REPURPOSED DEDUCTIBLE OF THIS FORM AND CARRIER

1

YEARS

63-67, 69-70

JAN
1974

PAGE 1 1800-2000
HOURS L. S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

1

YEARS _____ FEB _____
MONTH _____

65-70

FE 2
MAY 1964

PAGE 1 C600-C800

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

FORM 10-67

USAFET.AC

1

VERANS

65-70

FEA

PAGE 1 0900-1100
HOURS - S. T.

[illegible]

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL-A)

FORM 4-75

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

65-70
YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
60/ 59							.2											1	1							
58/ 57					1.8	.7	.4											13	13							
56/ 55					.7	.2												4	4							
54/ 53				.9		.2												5	5							
52/ 51		.4	.2	.9	.2													8	8	1						
50/ 49		1.5	.9	.4	.2													14	14	12						
48/ 47		1.8	1.3	2.2														24	24	20	4					
46/ 45		3.5	1.3	1.1	.4													29	29	20	9					
44/ 43	.2	2.0		.9														14	14	28	26					
42/ 41	.2	1.8	1.8	.4														19	19	24	18					
40/ 39	1.5	2.2	3.1		.2													32	32	20	29					
38/ 37	.2	4.0	1.8	.4														29	29	37	17					
36/ 35	.9	6.4	4.0															51	51	37	33					
34/ 33	2.0	6.4	3.5	.7														57	57	45	52					
32/ 31	1.1	5.7	1.8															39	39	59	46					
30/ 29	2.4	5.1	1.8															42	42	46	41					
28/ 27	1.3	3.5	1.5															29	29	39	41					
26/ 25	1.8	2.9																21	21	31	46					
24/ 23	.2	1.1																6	6	15	21					
22/ 21		1.1																5	5	7	27					
20/ 19																				1	14					
18/ 17	.4	.2																3	3	3	12					
16/ 15	1.1	.2																6	6	5	6					
14/ 13	.4																	2	2	3	6					
12/ 11	.2																	1	1	1	5					
8/ 7																					1					
TOTAL	14.1	49.8	22.9	7.9	3.5	1.1	.7											454	454	454	454					
Element (X)	Σ x'		Σ x		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.	3012320		36528		80.5		12,724		454		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	640062		16560		36.5		8,917		454			28.5							84							
Wet Bulb	555773		15495		34.1		7,710		454			38.9							84							
Dew Point	455435		13925		30.7		7,908		454			49.2							84							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REEDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

YEARS

65-70

FRD

PAGE 1 1500-1700
HOURS - 5.7.

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-67, 69-70

222

PAGE 1 -1800-2000

[illegible]

1

VF ABC

65-70

YAP
MONTN

PAGE 1 0600-0800
HOURS S. V.

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

1

YEARS

MA3
MONTE

HOLRS L.S.

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

YEARS

65-70

42

HOURS

0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26.5 (OLA)

1

LEADS

4A3
MAR 1964

MC-95 L. S. *

USAFETAC
FORM
NH 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 WERTHEIM GERMANY AAF

65-70

APR

PAGE 1 0500-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dv.	Bulb	Wet Bulb	Dew Po.																
62/ 61					.2	.2												2	2																		
60/ 59		.2																1	1																		
58/ 57				.6														3	3	1																	
56/ 55		.4	.8	.8	.2													10	10		1																
54/ 53		.2	.8	.6														8	8	3																	
52/ 51		1.1	2.9	.6														25	25	14	3																
50/ 49	.6	4.0	2.9	.6	.4		.2											46	46	20	11																
48/ 47	.4	4.4	2.7	.6	.4													44	44	38	24																
46/ 45	1.0	4.8	1.5	1.5		.2												47	47	58	43																
44/ 43	2.7	7.1	3.4	1.5														77	77	58	46																
42/ 41	1.9	4.8	1.7	.8	.2													49	49	60	63																
40/ 39	.8	5.4	1.9	.4														44	44	50	41																
38/ 37	.6	4.6	2.3															39	39	48	44																
36/ 35	2.3	5.9	1.2															50	50	58	64																
34/ 33	.4	3.6	1.9															31	31	43	39																
32/ 31	.6	3.6	.2															23	23	27	41																
30/ 29	.8	1.3	.2															12	12	30	43																
28/ 27	1.0	.8	.2															10	10	9	27																
26/ 25	.2	.2																2	2	5	17																
24/ 23																				1	7																
22/ 21																					4																
20/ 19																					5																
TOTAL	13.0	52.4	24.5	8.2	1.3	.4	.2											523	523	523	523																
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature										Total																					
Rel. Hum.	3714833	43689	83.5	11.181	523	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																										
Dry Bulb	944012	21938	41.9	6.751	523	8.1												90																			
Wet Bulb	847354	20798	39.8	6.234	523	12.4												90																			
Dew Point	742942	19398	37.1	6.847	523	24.6												90																			

PSYCHROMETRIC SUMMARY

65-70

APP

PAGE 1 CSOC-1100

Temp. F.	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-5	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B.	N.B.	Dry	Bulb	Wet	Bulb	Dry	Bulb	P.									
74/ 73							.2	.2										2	2																
72/ 71							.2											1	1																
70/ 69							.2	.2										2	2																
68/ 67							.4	.4										4	4																
66/ 65							.2			.2								2	2																
64/ 63							.5	.6										6	6																
62/ 61							.4	.4										4	4																
60/ 59				.8		.6	1.0			.6								15	15																
58/ 57			.4	.8	.6	1.3	.8	.2										22	22																
56/ 55		.2	1.0	1.0	1.7	.8	.2	.2										26	26																
54/ 53		1.0	1.5	1.5	1.3	.4	.4											32	32																
52/ 51	.6	1.1	3.8	1.9	.8	.2												44	44																
50/ 49		3.4	3.4	3.2	.4	.2												56	56																
48/ 47	.6	4.8	1.9	1.7	1.7													56	56																
46/ 45	1.0	3.2	2.7	1.7	.4													47	47																
44/ 43	.6	3.2	1.3	1.0	.2	.2												34	34																
42/ 41	.4	2.9	4.0	2.1	.6													52	52																
40/ 39	.4	2.7	3.2	1.0	.2													39	39																
38/ 37	.2	2.7	3.4	.8														37	37																
36/ 35	.2	2.1	2.3	.6														27	27																
34/ 33	.2	1.3	.6															12	12																
32/ 31		.6																3	3																
30/ 29	.2	.2																2	2																
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
TOTAL	4.229	329	717	9	9.7	5.5	2.3	1.3										525	525																
																										</									

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-70

APR

PAGE 1 1500-1700
HOURS (L. S. T.)

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USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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65-70

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PAGE 2 ~~3500-1700~~

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USAFETAC
F:RM
JUL 64
0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

65-70

APR

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USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

65-70

MAY
MONTH

HOURS : 5.1

JSAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-77

MAY

PAGE 1 C900-1100

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM
NJ 64
0-265 (OLA)

USAFETAC

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PAGE 1 ~~1203-1400~~

USAFETAC FORM 0-26.5 (OIA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE III A4

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USAFETAC 0.26-5 (OL A) FORM 0-26-5 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MAY
1954

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
86/ 65																		2		2																
84/ 63																		3		3																
82/ 81																		5		5																
80/ 79																		8		8																
78/ 77																		18		18																
76/ 75																		26		26																
74/ 72																		14		14																
72/ 71																		12		12																
70/ 69																		24		24																
68/ 67																		25		25																
66/ 65																		36		36		2														
64/ 63																		35		35		7														
62/ 61																		49		49		36														
60/ 59																		49		49		25														
58/ 57																		39		36		48														
56/ 55																		48		48		44														
54/ 53																		46		46		52														
52/ 51																		32		32		84														
50/ 49																		19		19		75														
48/ 47																		15		15		59														
46/ 45																		10		10		40														
44/ 43																		2		2		15														
42/ 41																		3		3		13														
40/ 39																						4														
38/ 37																						3														
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
26/ 25																																				
24/ 23																																				
TOTAL	.2	7.1	9.4	17.5	15.0	15.8	10.4	9.4	6.7	6.6	1.7							519		519		519														
Element (X)	Σx^2	Σx	\bar{x}	σ^2	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	1808139	29395	56.6	16.681	519	≤ 0 F	≤ 52 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	1996934	31854	61.4	8.992	519			24.5	13.6	2.3		93																								
Wet bulb	1439474	27150	52.4	5.747	519				4			93																								
Dew Point	1035598	23172	44.6	5.432	519			3.6				93																								

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 WERTHEIM GERMANY AAF

65-70

MAY

PAGE 1 1500-2100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83										.4								1	1																
82/ 81									.4									1	1																
80/ 79									1.3	.4								4	4																
78/ 77									.4	.8	.4							4	4																
76/ 75									1.3	.8	2.5							11	11																
74/ 73					.4		.4	1.7	.4	1.3								10	10																
72/ 71					.4	.4	.4	.8	.4									5	5																
70/ 69					.4	.4	.8	.4	2.1									10	10																
68/ 67				.4		2.1	2.1	1.3	.8									16	16	2															
66/ 65		.4		.4	.8	.4	.8	.8										9	9	1															
64/ 63			.8	.8	.8	2.5	.8	.8										16	16	8	1														
62/ 61		.4	1.3	2.5	.8	3.4	1.3	1.7	.4									28	28	8	1														
60/ 59			.8	1.7	1.3	3.4	.8											19	19	18	1														
58/ 57			.4	1.3	1.3	3.0												14	14	19	6														
56/ 55			1.3	2.1	2.5	.8	.8	.4										19	19	22	6														
54/ 53		.4	3.0	3.0	2.5	.4												22	22	23	9														
52/ 51		1.7	3.4	1.7	2.1													21	21	30	20														
50/ 49		2.5	2.5	.8	.8													16	16	39	26														
48/ 47		1.3	.8	.4														6	6	31	29														
46/ 45		.8	.4		.4													4	4	24	25														
44/ 43				.4														1	1	5	35														
42/ 41																				5	17														
40/ 39																				1	27														
38/ 37																				1	14														
36/ 35																					8														
34/ 33																					5														
32/ 31																					4														
30/ 29																					1														
28/ 27																					1														
26/ 25																					1														
TOTAL		7.6	14.8	15.6	14.3	16.9	8.4	10.1	7.2	5.1								237	237	257	237														
Element (X)	Σx²		Σx		Σ		Σx		Σ		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.	879516		13588		58,616,684		237		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total														
Dry Bulb	889049		14371		60.6		8.664		237				24.3		12.2		1.2				93														
Wet Bulb	652408		12364		52.2		5.597		237				.8								93														
Dew Point	487180		10640		44.9		6.345		237				2.7								93														

USAFETAC FORM 0-2, 10-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

65-70

— 124 —

6500-0200

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 64

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

PAGE 1 C900-1100
M2-85

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85											.2							1	1																
84/ 83							.2											1	1																
82/ 81										.2								1	1																
80/ 79							.8	.8										8	8																
78/ 77						.6	.9	.6										11	11																
76/ 75					.4	1.7	1.3	.4										20	20																
74/ 73					1.1	2.1	1.3	.9										29	29																
72/ 71				.6	2.3	2.1	.8	.2										31	31	1															
70/ 69			.2	2.1	3.8	2.1	1.3	.2										51	51																
68/ 67		.2	.6	1.5	2.5	2.7	.4	.2										42	42	16															
66/ 65		.2	1.9	2.3	2.3	.6	.4											40	40	28	3														
64/ 63		.4	.9	2.1	1.9	1.3	.9											40	40	58	4														
62/ 61		.9	2.1	2.8	1.1	.9												42	42	60	31														
60/ 59		.8	3.0	3.4	1.7	.6												50	50	55	49														
58/ 57		3.0	.8	1.5	1.3	.4												37	37	59	54														
56/ 55		3.8	1.9	1.3	1.7													46	46	68	65														
54/ 53	.2	1.1	1.5	.6	.6													21	21	51	75														
52/ 51		2.7	.6	.8	.2													22	22	42	55														
50/ 49		2.3	.6	.8														19	19	39	53														
48/ 47	.6	1.1	.2	.4														12	12	30	50														
46/ 45		.4	.2															3	3	13	28														
44/ 43		.2																1	1	7	27														
42/ 41																				1	19														
40/ 39																					9														
38/ 37																					5														
36/ 35																					1														
TOTAL	.8	17.0	14.4	20.1	20.8	15.0	8.3	3.0	.2	.2	.2							528	528	528	528														

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62-70

NO. 5 5.

USAFETAC FORM 0-26.5 (OLA)

PSYCHROMETRIC SUMMARY

65-70

PAGE 1 1500-1700

[illegible]

PSYCHROMETRIC SUMMARY

65-72

PAGE 1 1300-2000

[illegible]

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

24076 SEPT-51 GERMANY AAF

65-70

PAGE 1 2500-0800

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dp	Wet Bulb Dp	Pa	
76/ 75						.2																				1		1								
74/ 73						.2	.4			.2																4		4								
72/ 71						.6	.8																			5		5							1	
70/ 69			.2	.4	1.3	.9			.2																	16		16								
68/ 67			.2	2.7	1.3	.8	.6																			30		30							7	
66/ 65	.2	.9	3.0	2.3	1.3																					41		41							10	
64/ 63	.2	1.7	4.5	2.7																						48		48							33	
62/ 61	.3	3.4	3.6	2.3	.3	.4																				59		59							46	
60/ 59	1.7	4.2	4.9	.6																						61		61							71	
58/ 57	1.7	5.1	3.6	.9																						60		60							64	
56/ 55	1.7	6.5	2.5	.4	.2																					60		60							73	
54/ 53	.3	5.5	2.6	.9																						54		54							67	
52/ 51	.5	5.3	3.0																							47		47							45	
50/ 49	1.1	3.0	1.3																							29		29							50	
48/ 47	.4	1.1	.4																							10		10							31	
46/ 45																																				10
44/ 43																																				12
42/ 41																																				3
TOTAL	9.327	332.514	0	5.1	1.5																						525		525							523

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	3750149	44195	53.7	9.829	525	+ 6 F	+ 32 F	+ 67 F	+ 73 F	+ 80	+ 93 F
Dry Bulb	1847932	31032	58.9	5.879	525			10.4	.9		93
Wet Bulb	1562716	29512	55.9	5.000	525			1.4			93
Dew Point	1540129	28351	53.8	2.065	525			.4			93

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YF 100

65-70

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PAGE 1 - 0900-1100
HOURS (L.S.T.)

USAFETAC FORM 0.26 5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS MONTHS

65-70

Y E A R S

Jul
1957

PAGE 1 ~~1200-1400~~

USAFETAC FORM 0-26-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 WERTLEIM GERMANY AAF

65-70

JUL

PAGE 1 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W. - Dry Bulb	Wet Bulb Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

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YEARS

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OLA)

USAFETAC

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YEARS

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NO. 26 11.5.7

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PAGE 1 OSCO-1100

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USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-70

YEARS

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PAGE 1 1200-1420

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JSAFETAC FORM 0.26.5 (01.01.01)

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Y/ARS

65-70

Aug

PAGE : 1000-2000

USAFETAC FORM 111-64

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PAGE 1 6600-0300

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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65-70

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PAGE 1 0900-1100

USAFETAC FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-70

245

PAGE 1 -1200-1400

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL				TOTAL			
	0	-2	3-4	5-6	7-8	9-10	11-12	13-14	15-	16-	17-	18-	19-	20-	21-	22-	23-	24-	25-	26-	27-	28-	29-	30-	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Po-								
82/ 81																										1	1											
80/ 79																										1	1											
78/ 77																										4	4											
76/ 75																										15	15											
74/ 73																										17	17											
72/ 71																										21	21											
70/ 69																										31	31											
68/ 67																										41	41	4										
66/ 65																										40	40	21	1									
64/ 63																										56	56	36	6									
62/ 61																										66	66	45	15									
60/ 59																										64	64	55	21									
58/ 57																										63	63	69	52									
56/ 55																										61	61	75	61									
54/ 53																										22	22	89	79									
52/ 51																										12	12	79	78									
50/ 49																										6	6	40	71									
48/ 47																												13	51									
46/ 45																													32									
44/ 43																													27									
42/ 41																													17									
40/ 39																													13									
38/ 37																													2									
TOTAL	2.312	9.17	12.0	723	014.3	6.8	2.5	.4																			526	526	526									

USAFETAC
FORM
JUL 64
0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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REVISIT: REVISIT EDITORS OF THIS JOURNAL ARE OBSOLETE

USAFETAC FORM 0.26-5 (OL A)
JUL 64

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

24076 SEPT 518 0500-2000

65-70

SEP

PAGE 1 1000-2000

Temp °F	WET BULB TEMPERATURE DEPRESSION °F																																	TOTAL			TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Diff.	D.B. W.B. Diff.	D.B. W.B. Diff.	P. -				
80/ 79													.4		.4																	2	2						
76/ 75												.4	1.3																			4	4						
74/ 73								.4	1.3		1.3	.4																				5	5						
72/ 71							2.1	2.1		.9	.4																					13	13						
70/ 69				.4	.4	2.1	.9																									9	9						
68/ 67				.4	1.3	3.4	.4	.9																								18	15	1					
66/ 65		.9	1.7	3.4	1.7	.9																										27	20	9					
64/ 63			.9	3.0	3.0	1.7																										27	20	12					
62/ 61		.9	4.3	2.6	1.7	.4	.4																									24	24	24					
60/ 59	.4	.4	2.6	3.5	2.6	.9	.4																									37	30	22					
58/ 57	.4	1.3	3.0	3.0	2.1		.4																									24	24	27					
56/ 55		3.8	5.5	4.3	.4																											33	32	23					
54/ 53	.4	2.6	4.7	.4	.9																											21	21	42					
52/ 51	.4	3.4	.4		.4																											11	11	33					
50/ 49		.4																														1	1	31					
48/ 47																																		5					
46/ 45																																		1					
44/ 43																																							
42/ 41																																							
40/ 39																																							
38/ 37																																							
36/ 35																																							
TOTAL	1.7	13.5	23.6	23.6	20.9	6.9	6.0	1.3																								235	235	235					

Element (X)	ΣX	ΣX	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1233320	16755	71.2	12.540	235	0 F	32 F	67 F	73 F	82 F	93 F	
Dry Bulb	891457	14297	5.3	5.322	235			19.5	5.4			90
Wet Bulb	732051	13077	53.6	4.735	235			.4				90
Dew Point	623740	12092	51.5	5.290	235							90

PSYCHROMETRIC SUMMARY

65-70

267

PAGE 1 0600-0800
HOURS 5-7

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PAGE 1 0900-1100
HOURS - S

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

-2-

HOURS 11:50-1:10

L'SAFETAC FORM 0-26-5 (OLA)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 AERT-EIN GERMANIA AAF

65-70

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PAGE 1 1500-1700
HOURS - 5

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26-27	28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po	
76/ 75						.2	.4	.4												5	3			
74/ 73						.5	.5													5	5			
72/ 71						.2	.4													3	3			
70/ 69						.5														4	4			
68/ 67				.4	1.4	1.5														19	19			
66/ 65			.2	.2	2.4	1.7	.2													20	20	3		
64/ 63			1.1	3.6	1.5	.9	.4													41	41	8		
62/ 61			3.9	2.4	1.5	.9														47	47	9		
60/ 59		2.2	5.3	2.9	.5	.4														62	62	35	4	
58/ 57		2.2	3.5	2.2	1.1	.2														50	50	72	14	
56/ 55		3.2	1.3	2.0	2.4	.2														50	50	65	57	
54/ 53	.2	2.6	3.5	2.9	2.7	.4														57	57	67	53	
52/ 51	.2	.9	1.9	2.6	1.6	.2	.4													42	42	34	57	
50/ 49		2.2	2.2	1.6	1.5															41	41	50	37	
48/ 47	.4	1.8	2.7		.2	.2														29	29	59	54	
46/ 45	.4	.4	1.1																	10	10	54	42	
44/ 43	1.5	2.0	.2	.5																23	23	41	49	
42/ 41	1.1	1.5	.7	.4																20	20	23	43	
40/ 39	.4	.2	.4		.4															7	7	13	51	
38/ 37	.2		.2	.2																3	3	8	20	
36/ 35																						3	10	
34/ 33																						1	4	
32/ 31																						3	13	
30/ 29																							4	
28/ 27																							2	
26/ 25																							2	
22/ 21																							1	
20/ 19																							2	
TOTAL	4.2	19.1	27.9	21.9	17.5	6.9	2.2	.4												549	549	549	549	
																				549		549		
										</														

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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YEARS

64-72

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/440

PSYCHROMETRIC SUMMARY

34076 SEPT-REX GERMANY AAF
STATION

64-70

YEARS

MONTH

PAGE 1 0900-1100

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26-27	28	29-30	>31	D.B. V.B. Dry Bulb	Wet Bulb De- P _o				
52/ 61					.2	.2													2	2				
58/ 57																			1	1				
56/ 55				.2															4	4				
54/ 53			.4	.5	.2	.2													7	7		3		
52/ 51	.4	.9	1.6	.2															17	17		4		
50/ 49		2.3	1.9	.5		.4													29	29	17	8		
48/ 47	.7	1.9	3.5	.7	.2														40	40	26	14		
46/ 45		5.7	1.1	.5	.2														42	42	40	21		
44/ 43	.4	5.7	.7																38	38	46	36		
42/ 41	1.1	4.5	1.6																42	42	50	47		
40/ 39	2.1	4.4	1.6																46	46	47	64		
38/ 37	1.8	5.8	.9																48	48	48	35		
36/ 35	1.2	5.1	1.1																42	42	46	55		
34/ 33	5.1	6.4	.4																67	67	67	63		
32/ 31	4.6	3.5	.2																47	47	65	62		
30/ 29	3.5	4.4																	45	45	46	53		
28/ 27	4.1	1.2																	30	30	37	46		
26/ 25	.7	.7																	8	8	5	27		
24/ 23	.2	.4																	3	3	4	17		
22/ 21	.2	.7																	5	5	6	1		
20/ 19		.4																	2	2	2	4		
18/ 17	.2																		1	1	1	5		
16/ 15																						2		
TOTAL	26.1	54.6	15.2	2.6	.7	.5														566		566		

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of hours with Temperature						Total
Rel. Hum.	443157	49766	37.5	4.943	566	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	868022	21738	38.4	7.659	566		22.4					90
Wet Bulb	796651	20879	36.9	6.866	566		27.0					90
Dew Point	718085	19757	35.0	6.828	566		34.8					90

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YES

54-73

NO. 95 - S.

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

64-76

PAGE 1 1500-1700

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USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

64-75

282

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.266.5 (OL A)

USAFETAC FORM 101-1

PSYCHROMETRIC SUMMARY

34076 PERT-EL-GERMANY AAF

64-75

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64-70

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USAFETAC
FORM
HHS 44
0-26-5 (O1, A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ETAC

PSYCHROMETRIC SUMMARY

34075 AERT-RT JERSEY AAF

66-70

250

PAGE 1 1500-1700

Temp F		WET BULB TEMPERATURE DEPRESSION (F)																																TOTAL		TOTAL	
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Diff.	Wet Bulb Occ. Freq.		
56/	55							.6																									3	3			
52/	51				.6																												5	5			
50/	49			.6																													3	3	6		
48/	47		.2	.6				.6																									7	7	6		
46/	45		.6	1.7																													12	12	7		
44/	43			1.5	2.2			.4																									22	22	9		
42/	41		.4	4.3	3.1			.2	.2																								44	44	12		
40/	39		.7	4.5	2.4																												42	42	42		
38/	37		.2	5.7	1.1																												35	35	45		
36/	35		2.4	7.8	1.5																												62	62	62		
34/	33		4.3	5.1	2.1																												75	75	69		
32/	31		1.9	4.4	.6																												27	27	74		
30/	29		1.9	6.3																													44	44	33		
28/	27		2.4	3.3	.6																												24	24	47		
26/	25		2.3	4.4	.6			.2																									43	43	41		
24/	23		3.0	3.7	.4																												35	35	39		
22/	21		.9	.9																													10	10	19		
20/	19		1.5	.2																													9	9	13		
18/	17		.6																														3	3	4		
16/	15			.2																													1	1			
14/	13																																	1	1	1	
12/	11		.2																														1	1	1		
10/	9		.2																														1	1	1		
8/	7																																				
6/	5		.2																														1	1	1		
4/	3		.2																														1	1	1		
2/	1		.2																														1	1	1		
TOTAL		24	43	38	31	4	3	1	9		.4																						540	540	540		

Element (X)	Σ X ²	Σ X	X	P ₂	No. Obs	Mean No. of Hours with Temperature					Total
Rel. Hum.	4012604	45274	55.7	9.9611	540	22 F	47 F	73 F	80 F	93 F	
Dry Bulb	531943	15017	33.4	7.560	540						93
Wet Bulb	575884	17224	31.9	7.012	540						93
Dew Point	495959	15567	29.4	7.425	540						93

USAF ETAC FORM 0-26-5 (01. A) UNITED STATES DEPARTMENT OF THE ARMY AND NAVY

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FORM

JSAFETAC

DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/MAS

MEANS AND STANDARD DEVIATIONS

DAY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34076 WERTHEIM GERMANY AAF

64-70

STATION

STATION NAME

YEARS

HRS - L.S. *	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN S D TOTAL OBS	29.3 8.248 503	31.7 9.027 459	34.7 6.979 532	41.9 6.751 513	50.1 6.273 531	56.8 6.350 525	58.9 5.879 525	56.7 5.554 543	51.0 5.668 528	45.9 7.417 553	37.2 7.557 562	31.1 5.049 575	43.9 12.564 676
09-11	MEAN S D TOTAL OBS	30.2 8.606 512	33.4 9.058 461	38.2 7.556 540	46.9 7.829 525	56.1 7.573 531	63.1 8.054 528	65.3 7.551 528	62.7 6.481 543	56.6 6.548 528	49.1 7.702 554	38.4 7.659 566	31.7 8.022 582	47.7 14.636 639
12-14	MEAN S D TOTAL OBS	32.7 8.351 504	36.5 8.917 454	42.2 7.468 530	51.4 9.314 515	56.6 8.619 522	66.5 9.069 518	69.4 8.760 522	67.9 7.384 533	62.3 6.370 526	54.4 7.500 551	40.9 7.633 560	33.7 7.597 564	51.6 15.524 629
15-17	MEAN S D TOTAL OBS	32.8 7.991 491	37.1 8.807 442	43.4 7.651 522	52.7 9.985 510	61.4 8.993 519	67.4 9.529 516	70.2 9.242 519	68.9 8.089 528	63.5 6.547 525	55.7 7.515 549	40.9 7.526 551	33.4 7.560 540	52.5 15.890 621
18-20	MEAN S D TOTAL OBS	32.0 7.934 209	36.2 8.775 191	41.9 7.042 214	51.5 9.048 215	60.6 8.644 237	66.7 9.237 232	67.3 8.885 235	67.3 8.076 238	61.3 6.352 235	53.4 6.995 243	39.8 7.065 231	33.9 7.551 222	51.7 15.392 270
	MEAN S D TOTAL OBS													
	MEAN S D TOTAL OBS													
	MEAN S D TOTAL OBS													
ALL HOURS	MEAN S D TOTAL OBS	31.3 8.457 2219	34.8 9.183 2007	39.8 8.103 2338	48.5 9.536 2268	57.4 9.117 2340	63.8 9.355 2319	66.1 9.129 2332	64.3 8.474 2385	58.6 7.909 2342	51.5 6.391 2480	39.8 7.698 2480	32.6 7.307 2480	47.2 13.104 2767

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34076 WERTHEIM GERMANY AAF

64-70

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN	29.1	30.8	33.3	39.8	47.4	53.8	55.9	55.0	49.9	45.0	36.2	30.3	42.3
	S D	7.811	8.466	6.459	5.234	5.378	5.260	5.000	5.020	5.149	6.997	6.580	7.676	11.658
	TOTAL OBS	489	459	532	523	531	525	528	543	528	553	560	575	6346
09-11	MEAN	29.5	32.0	35.7	42.8	50.4	56.8	58.7	58.0	53.3	47.2	36.9	30.7	44.4
	S D	8.045	8.175	6.476	6.439	5.616	5.833	5.597	4.875	4.995	6.911	6.868	7.579	12.479
	TOTAL OBS	508	461	540	525	531	528	528	543	528	554	566	582	6394
12-14	MEAN	31.3	34.1	38.0	44.9	52.4	58.0	60.1	59.6	56.2	50.3	38.7	32.2	46.4
	S D	7.614	7.710	6.063	6.701	5.803	5.874	5.900	5.062	4.667	6.354	6.782	7.021	12.356
	TOTAL OBS	503	454	530	515	522	518	522	533	526	551	560	564	6298
15-17	MEAN	31.3	34.6	38.5	45.2	52.4	58.2	60.3	59.9	56.5	51.0	38.7	31.9	46.7
	S D	7.334	7.597	6.027	6.774	5.747	5.963	5.884	4.998	4.650	6.336	6.602	7.012	12.358
	TOTAL OBS	491	442	522	510	519	516	519	528	525	549	551	540	6212
18-20	MEAN	30.7	34.0	37.9	45.2	52.2	58.2	59.6	59.3	55.6	50.0	38.1	32.5	46.6
	S D	7.516	7.758	5.896	6.167	5.597	5.767	5.781	5.106	4.785	6.444	6.446	7.057	12.213
	TOTAL OBS	209	191	214	215	237	232	235	238	235	243	231	222	2702
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	30.3	33.0	36.5	43.3	50.8	56.9	58.8	58.3	54.1	48.5	37.7	31.4	45.1
	S D	7.743	8.114	6.545	6.846	5.972	5.989	5.866	5.355	5.486	7.035	6.835	7.353	12.340
	TOTAL OBS	2200	2007	2338	2288	2340	2319	2332	2385	2342	2450	2468	2483	27932

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

MEANS AND STANDARD DEVIATIONS

DEWPOINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34076 WERTHEIM GERMANY AAF
 STATION

64-70

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	27.5 8.402 489	28.9 8.457 459	31.1 6.741 532	37.1 6.847 523	44.9 5.431 531	51.8 5.286 525	53.8 5.265 528	53.7 5.143 543	49.1 5.004 528	44.1 6.940 553	34.7 6.810 560	28.7 8.001 575	40.5 11.798 6346
09-11	27.5 8.554 508	29.6 8.094 461	32.1 6.841 540	38.1 7.281 525	45.5 5.927 531	52.3 5.873 528	54.3 5.762 528	54.8 5.231 543	50.8 4.827 528	45.3 7.013 554	35.0 6.828 566	28.8 7.900 582	41.3 12.097 6394
12-14	28.7 7.952 503	30.7 7.808 454	32.4 7.082 530	37.9 7.572 515	45.4 6.422 522	52.0 5.925 515	54.0 6.165 522	54.3 5.778 533	51.5 5.348 526	46.7 6.905 551	36.1 6.832 560	29.7 7.412 564	41.7 11.779 6298
15-17	28.7 7.732 491	30.8 7.873 442	32.0 7.253 522	37.2 7.552 510	44.6 6.432 519	51.8 5.949 516	53.8 6.097 519	53.8 5.587 528	51.2 5.380 525	46.9 7.102 549	35.9 6.613 551	29.4 7.429 540	41.5 11.722 6212
18-20	28.1 8.236 209	30.8 7.963 191	32.5 7.012 214	38.5 6.589 215	44.9 6.345 237	52.4 5.647 232	53.8 6.009 235	54.0 5.555 238	51.5 5.290 235	46.9 7.331 243	35.9 6.577 231	30.2 7.458 222	42.0 11.654 2702
	MEAN S D TOTAL OBS												
	MEAN S D TOTAL OBS												
	MEAN S D TOTAL OBS												
	MEAN S D TOTAL OBS												
ALL HOURS	28.1 8.188 2200	30.1 8.107 2007	32.0 6.996 2338	37.7 7.262 2282	45.1 6.101 2340	52.0 5.755 2319	53.9 5.808 2332	54.1 5.462 2385	50.7 5.238 2342	45.9 7.108 2450	35.5 6.775 2466	29.2 7.685 2483	41.3 11.837 27952

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/ETAC

RELATIVE HUMIDITY

34076 WERTHEIM GERMANY AAF
STATION

54-70

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	99.9	95.2	79.2	44.3	87.4	2270
FEB		100.0	100.0	100.0	99.8	99.5	95.4	84.7	67.9	31.3	83.3	2007
MAR		100.0	100.0	99.2	97.3	91.7	81.3	63.3	40.6	16.9	74.7	2338
APR		100.0	100.0	97.8	90.7	80.5	67.0	48.7	29.4	13.8	68.3	2268
MAY		100.0	100.0	99.2	89.9	76.7	58.3	40.7	22.4	8.6	65.2	2340
JUN		100.0	100.0	100.0	95.7	79.7	60.2	43.4	26.8	10.5	67.2	2319
JUL		100.0	100.0	99.8	95.2	81.0	58.8	40.4	24.6	7.9	66.4	2332
AUG		100.0	100.0	99.7	96.5	85.1	66.5	51.0	34.9	18.9	71.1	2385
SEP		100.0	100.0	100.0	99.6	94.8	80.4	61.8	43.0	23.4	76.2	2342
OCT		100.0	100.0	100.0	99.9	96.8	92.3	78.3	57.4	33.4	62.2	2450
NOV		100.0	100.0	100.0	100.0	99.8	98.4	91.6	74.8	40.1	66.3	2468
DEC		100.0	100.0	100.0	100.0	99.9	99.2	94.8	81.7	46.4	87.7	2483
TOTALS		100.0	100.0	99.6	97.1	90.6	79.8	66.2	48.6	24.6	76.3	27952

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

RELATIVE HUMIDITY

34076 WERTHEIM GERMANY AAF

65-70

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	98.8	92.2	63.2	91.1	489
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	98.6	88.4	50.4	89.3	508
	12-14	100.0	100.0	100.0	100.0	100.0	100.0	92.0	71.6	35.2	85.6	503
	15-17	100.0	100.0	100.0	100.0	100.0	100.0	92.1	72.1	34.8	85.3	491
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	94.3	71.8	37.8	85.9	209
	21-23											
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	93.2	79.2	44.3	87.4	2200

100

RELATIVE HUMIDITY

552
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCJRRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	99.8	98.9	89.3	50.1	89.5	459
	09-11	100.0	100.0	100.0	100.0	100.0	98.7	93.3	75.9	40.6	86.3	461
	12-14	100.0	100.0	100.0	99.6	98.7	92.7	76.9	57.9	23.3	80.5	454
	15-17	100.0	100.0	100.0	99.5	99.1	89.8	72.2	53.2	21.7	78.5	442
	18-20	100.0	100.0	100.0	100.0	100.0	95.6	82.2	63.4	20.9	81.2	191
	21-23											
TOTALS		100.0	100.0	100.0	99.8	99.5	95.4	84.7	67.9	31.3	83.3	2007

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42
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.6	98.9	94.0	80.1	40.8	87.1	532
	09-11	100.0	100.0	100.0	99.3	96.9	91.1	77.8	53.1	23.3	79.7	540
	12-14	100.0	99.8	99.1	95.8	86.5	74.9	49.6	26.2	7.0	69.9	530
	15-17	100.0	100.0	97.7	93.7	82.4	62.8	41.0	18.4	5.9	66.0	522
	18-20	100.0	100.0	99.1	97.7	91.1	79.0	54.2	25.2	7.5	70.8	214
	21-23											
TOTALS		100.0	100.0	99.2	97.3	91.7	81.3	63.3	40.6	16.9	74.7	2339

1

RELATIVE HUMIDITY

65-70

▲ 25

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	93.2	96.7	83.7	64.4	35.8	62.5	523
	09-11	100.0	100.0	100.0	97.3	92.0	77.7	57.7	34.1	15.6	73.1	525
	12-14	100.0	100.0	97.3	86.8	72.8	54.2	33.4	16.5	6.6	62.5	515
	15-17	100.0	100.0	94.9	81.0	62.3	44.9	28.8	13.3	5.2	58.7	510
	18-20	100.0	100.0	96.7	88.4	75.8	61.4	37.7	18.6	5.6	63.6	215
	21-23											
	TOTALS	100.0	100.0	97.8	90.7	80.5	67.0	48.7	29.4	13.8	68.3	2288

RELATIVE HUMIDITY

65-70

DAY
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20	30%	40%	50%	60	70	80%	90		
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	97.4	85.7	59.7	24.7	82.6	531
	09-11	100.0	100.0	100.0	96.7	90.6	70.4	46.1	20.5	7.2	68.9	531
	12-14	100.0	100.0	99.4	87.5	67.0	44.3	23.9	10.7	4.4	59.4	522
	15-17	100.0	100.0	97.9	79.0	61.7	38.9	21.6	9.2	3.3	56.6	519
	18-20	100.0	100.0	96.7	84.4	64.6	40.5	26.2	11.8	3.4	58.6	237
	21-23											
TOTALS		100.0	100.0	99.2	89.9	76.7	58.3	40.7	22.4	5.6	65.2	2340

1

RELATIVE HUMIDITY

65-70

100

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.6	97.7	86.7	63.2	26.6	63.3	325
	09-11	100.0	100.0	100.0	99.4	93.0	69.7	41.7	23.7	8.3	69.3	528
	12-14	100.0	100.0	100.0	95.0	70.5	42.5	29.3	18.1	5.4	61.6	518
	15-17	100.0	100.0	100.0	90.5	63.8	41.3	26.6	14.5	4.8	59.6	516
	18-20	100.0	100.0	100.0	93.5	71.6	49.6	32.8	14.7	5.6	62.2	232
	21-23											
TOTALS		100.0	100.0	100.0	95.7	79.7	60.2	43.4	26.8	10.5	67.2	2319

RELATIVE HUMIDITY

65-70

sub

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60	70	80	90		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.1	89.8	64.3	25.4	82.7	328
	09-11	100.0	100.0	100.0	99.6	93.4	72.7	42.6	18.9	5.5	68.9	528
	12-14	100.0	100.0	99.6	93.1	72.2	41.6	20.9	10.3	2.9	59.7	522
	15-17	100.0	100.0	99.4	90.9	63.8	36.0	20.4	11.4	2.9	58.1	519
	18-20	100.0	100.0	100.0	92.3	75.7	45.5	26.5	17.4	2.6	61.5	235
	21-23											
TOTALS		100.0	100.0	99.8	95.2	81.0	58.6	40.4	24.6	7.9	66.4	2332

Abstract

RELATIVE HUMIDITY

65-70

45

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.7	97.1	84.9	55.4	90.0	543
	09-11	100.0	100.0	100.0	99.6	97.8	85.4	66.5	39.8	17.5	76.5	543
	12-14	100.0	100.0	99.6	96.2	79.9	51.0	26.7	15.0	6.4	62.6	533
	15-17	100.0	100.0	99.4	91.5	66.0	44.5	28.0	14.4	6.6	60.0	528
	18-20	100.0	100.0	99.6	95.0	79.6	51.7	34.5	20.2	6.4	64.4	238
	21-23											
TOTALS		100.0	100.0	99.7	96.5	85.1	66.5	51.0	34.9	16.9	71.1	2355

RELATIVE HUMIDITY

65-70

333

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.4	94.1	58.9	93.2	525
	09-11	100.0	100.0	100.0	100.0	99.4	94.3	80.5	56.1	29.5	61.9	525
	12-14	100.0	100.0	100.0	99.4	92.2	70.3	42.6	24.0	7.6	59.1	525
	15-17	100.0	100.0	100.0	98.7	87.0	61.7	35.2	15.6	4.0	63.4	525
	18-20	100.0	100.0	100.0	100.0	95.3	76.6	51.1	25.1	6.8	71.3	235
	21-23											
TOTALS		100.0	100.0	100.0	99.6	94.8	50.4	61.5	43.0	23.4	76.2	2342

1
DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34076
STATION

HERTHEIM GERMANY AAF
STATION NAME

65-70
PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	02-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.9	94.0	74.0	93.7	553
	09-11	100.0	100.0	100.0	100.0	100.0	98.9	91.3	75.8	47.7	87.9	554
	12-14	100.0	100.0	100.0	100.0	99.1	87.1	65.3	37.0	15.6	76.3	551
	15-17	100.0	100.0	100.0	99.6	96.0	80.9	59.7	33.3	10.9	73.6	549
	18-20	100.0	100.0	100.0	100.0	98.8	94.7	76.5	46.9	18.9	79.5	243
	21-23											
TOTALS		100.0	100.0	100.0	99.9	98.8	92.3	78.3	57.4	33.4	82.2	2450

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34076 WERTHEIM GERMANY AAF
STATION STATION NAME

64-70
PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.4	88.6	61.4	90.9	560
	09-11	100.0	100.0	100.0	99.8	99.6	98.6	95.8	81.1	49.5	87.9	566
	12-14	100.0	100.0	100.0	100.0	100.0	97.5	86.6	62.1	31.1	83.6	530
	15-17	100.0	100.0	100.0	100.0	99.6	96.6	85.1	64.8	26.3	83.0	551
	18-20	100.0	100.0	100.0	100.0	100.0	99.1	93.9	77.5	32.0	86.3	231
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.8	98.4	91.6	74.8	40.1	86.3	2468

Summary

RELATIVE HUMIDITY

WEITHEIM GERMANY AAF

64-70

ENC

STATION NAME

2000

MORIN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	99.7	93.6	60.3	90.9	573
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	97.6	85.1	51.9	89.3	582
	12-14	100.0	100.0	100.0	100.0	100.0	98.6	91.8	74.8	38.1	85.7	564
	15-17	100.0	100.0	100.0	100.0	99.8	98.3	91.3	73.3	40.6	85.7	340
	18-20	100.0	100.0	100.0	100.0	99.5	99.5	93.7	78.8	41.0	86.7	222
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.9	99.2	94.8	81.7	46.4	87.7	2483

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE (MAC)
 ASHEVILLE, NORTH CAROLINA

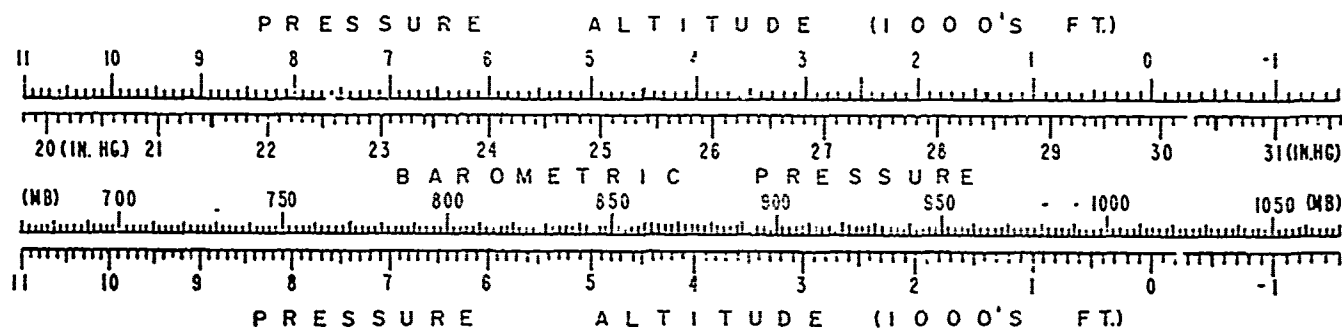
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars. **DATA NOT AVAILABLE**

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
JSAF ETAC
AIR WEATHER SERVICE/WAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34076 WERTHEIM GERMANY AAF

65-70

STATION

STATION NAME

YEARS

HRS L S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN												
	S D												
	TOTAL OBS												
04	MEAN												
	S D												
	TOTAL OBS												
07	MEAN	28.79728	28.68228	28.79628	28.75128	28.81728	28.88428	28.89228	28.84128	28.86528	28.90128	28.74228	28.816
	S D	.282	.277	.261	.252	.187	.131	.160	.153	.193	.220	.268	.241
	TOTAL OBS	145	131	149	145	146	145	156	181	175	155	164	1890
10	MEAN	28.81228	28.68228	28.80928	28.79128	28.82428	28.88828	28.89528	28.85228	28.87828	28.92128	28.75728	28.825
	S D	.284	.275	.266	.252	.188	.132	.160	.150	.197	.222	.290	.242
	TOTAL OBS	146	130	149	145	146	146	156	181	176	185	166	1894
13	MEAN	28.79628	28.67728	28.79928	28.77528	28.81028	28.87728	28.88328	28.83928	28.86328	28.91028	28.74228	28.814
	S D	.281	.276	.269	.249	.185	.133	.157	.145	.195	.218	.292	.242
	TOTAL OBS	142	127	144	140	142	141	153	176	175	183	163	1848
16	MEAN	28.79228	28.66228	28.78328	28.75528	28.79128	28.85728	28.86528	28.82528	28.84528	28.89528	28.73128	28.800
	S D	.278	.271	.258	.245	.184	.139	.154	.140	.192	.214	.290	.237
	TOTAL OBS	142	127	143	140	142	142	153	176	175	183	163	1843
19	MEAN	28.81928	28.58328	28.91528	28.68928	28.85828	28.82828	28.75928	28.83528	28.83228	28.84328	28.64828	28.785
	S D	.288	.275	.251	.286	.149	.121	.120	.140	.206	.228	.341	.240
	TOTAL OBS	29	28	30	30	31	30	42	62	60	62	30	459
22	MEAN												
	S D												
	TOTAL OBS												
ALL HOURS	MEAN	28.80028	28.67228	28.80328	28.77128	28.81328	28.87428	28.87628	28.83928	28.86028	28.90228	28.73928	28.813
	S D	.281	.275	.263	.252	.184	.134	.158	.147	.195	.220	.292	.241
	TOTAL OBS	604	543	615	600	607	604	660	776	761	798	686	7935